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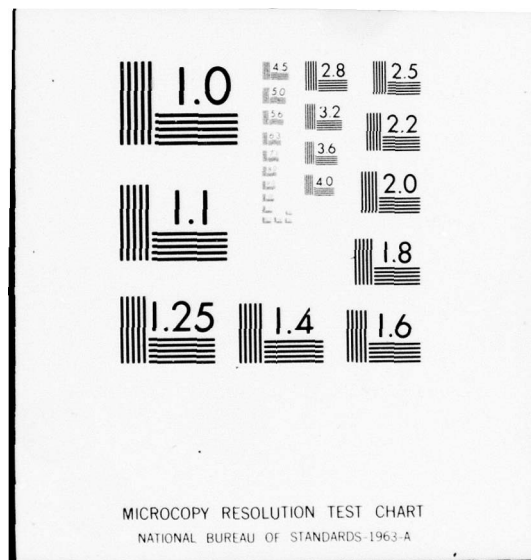
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AD-A053 900

DDC/BIB-78/03

BIBLIOGRAPHY OF BIBLIOGRAPHIES

VOLUME II OF II

A DDC BIBLIOGRAPHY

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM	
1. REPORT NUMBER DDC/BIB-78/03 (moves)	2. GOVT ACCESSION NO. AD-A053 900	3. RECIPIENT'S CATALOG NUMBER 9 Report	4. TYPE OF REPORT Bibliography
5. BIBLIOGRAPHY OF BIBLIOGRAPHIES. Volume II.		6. PERIOD COVERED Jan 1968 - Jan 1978.	
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)	
9. PERFORMING ORGANIZATION NAME AND ADDRESS Defense Documentation Center Cameron Station Alexandria, Virginia 22314		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS 65801S	
11. CONTROLLING OFFICE NAME AND ADDRESS		12. REPORT DATE Apr 1978	
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		13. NUMBER OF PAGES 473	
		15. SECURITY CLASS. (of this report) UNCLASSIFIED	
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE	
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.			
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)			
18. SUPPLEMENTARY NOTES See Vol. I, AD-A053 800 See also AD-677 015, AD-677 025 and AD-677 035 Supersedes AD-752 150, AD-752 160 and AD-A006 700			
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *Bibliographies Physics *Chemistry Civil Defense *Fuels Earth Sciences Materials			
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This bibliography is a compilation of citations which were pro- cessed into the Defense Documentation Center's data bank. These citations are arranged in the following fifteen COSATI Subject Categories: Chemistry; Earth Sciences and Oceanography, Electronics and Electrical Engineering; Energy Conversion (Non- Propulsive); Materials; Mathematical Sciences; Mechanical, Industrial, Civil and Marine Engineering; Methods and Equip- (over)			

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20. (Continuation)

cont → ment; Military Sciences; Navigation; Communications; Detection and Countermeasures; Nuclear Science and Technology; Ordnance; Physics; Propulsion and Fuels; and Space Technology. Four computer-generated indexes are provided.



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FOREWORD

This bibliography is Volume Two of two volumes of selective unclassified and unlimited citations entitled *Bibliography of Bibliographies* in the Defense Documentation Center collection.

It contains 637 citations processed into the Defense Documentation Center's data bank between January 1968 and January 1978.

These volumes supplement three volumes of unclassified citations, AD-677 015, DDC-TAS-68-31; AD-677 025, DDC-TAS-68-38; and AD-677 035, DDC-TAS-68-44, dated September 1968. These two volumes also supersede AD-752 150, DDC-TAS-72-52-I; AD-752 160, DDC-TAS-72-52-II, dated November 1972 and AD-A006 700, DDC-TAS-75-4, dated March 1975.

The citations are arranged in fifteen COSATI Subject Categories as listed in the Table of Contents. Citations are arranged in numerical descending sequence. Computer-generated indexes of Corporate Author-Monitoring Agency, Subject, Title and Personal Author are provided.

BY ORDER OF THE DIRECTOR, DEFENSE LOGISTICS AGENCY

OFFICIAL

Hubert E. Sauter

HUBERT E. SAUTER
Administrator
Defense Documentation Center

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DDC	DATE ACQUIRED <input type="checkbox"/>
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SECTION 7. MECHANICAL, INDUSTRIAL, CIVIL AND MARINE ENGINEERING	1
SECTION 8. METHODS AND EQUIPMENT	1
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**SECTION I -
CHEMISTRY**

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD-A047 350

7/5

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Radiation Chemistry.

(U)

DESCRIPTIVE NOTE: Report bibliography Nov 50-Jul 77.

NOV 77 256P

REPT. NO. DDC/818-77/13

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes Rept. no. DDC-TAS-71-19-I dated May 71, AD-723 940.

DESCRIPTORS: *Radiation chemistry, Bibliographies, Indexes, Degradation, Polymers, Copolymers, Radioactive decay, Air pollution, Catalysts, Deoxyribonucleic acids, Plastics, Water chemistry, Alkali metal compounds, Electron paramagnetic resonance, Crystal structure, Organic sulfur compounds, Halogenated hydrocarbons, Test methods, Laboratory equipment, Electromagnetic radiation, Semiconductors, Enzymes, Rocket propellants, Complex compounds, Explosives, Radiation effects, Aromatic compounds, Aliphatic compounds

IDENTIFIERS: PE65801S

(U)

This bibliography contains unclassified-unlimited citations on Radiation Chemistry; chemistry of radiation effects on organic, inorganic, and polymeric components. There is also a cross-section of references on instrumentation and techniques employed in measuring these reactions, and their rates. The four computer-generated indexes provided are Corporate Author-Monitoring Agency, Subject, Title and Personal Author.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD-A023 545

7/3

WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

Polycyclic Aromatic Hydrocarbons: Occurrence and Analysis - A Partial Bibliography.

(U)

DESCRIPTIVE NOTE: Technical rept.,

JAN 75 262P

Martin, Ann ; Blumer, Max ;

REPT. NO. WHOI-75-22

CONTRACT: N00014-74-C-0262, NSF-GA-25646

PROJ: NR-083-004

UNCLASSIFIED REPORT

A copy of the computer tape is available at a cost of \$65.00 from the National Oceanographic Data Center, Code D-761, Washington, D.C. 20235. Request by title and W.H.O.I. Technical Report number.

SUPPLEMENTARY NOTE: Sponsored in part by Grant NSF-DES-74-22781.

DESCRIPTORS: *Hydrocarbons, *Bibliographies, *Computer programs, Air pollution, Particulates, Chromatography, Nuclear magnetic resonance, Photochemical reactions, Ultraviolet spectra, Water, Infrared spectra, Mass spectra, Carcinogens, Petroleum products, Concentration (Composition), Extraction, Fluorescence, Sediments, Smoke, Tobacco, Polycyclic compounds, Chemical analysis

IDENTIFIERS: Benzopyrenes

(U)

A file of 1,055 references on the occurrence of polycyclic aromatic hydrocarbons in nature, their origin, composition, fate and analysis, has been collated in a bibliography. Selected references from marginally related fields are also included. The bulk of the citations refer to work reported between 1970 and mid-1973. The references have been processed by computer into a bibliography consisting of four sections: the main body of references, a keyword-in-context index, an index of all authors, and a listing of journals cited in the references, with abbreviations and full names.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD-A017 443 7/3 11/9
OPERATIONS RESEARCH INC SILVER SPRING MDA Review of Violent Monomer
Polymerization: A Selected Literature
Survey.

(U)

DESCRIPTIVE NOTE: Final rept.,

OCT 74 142P Harmon, M.; King, J.;

CONTRACT: DDT-CG-51765-A

MONITOR: USCG D-159-75

UNCLASSIFIED REPORT

DESCRIPTORS: *Polymerization, *Monomers, *Plastics, Experimental data, Inhibitors, Toxicity, Volatility, Flammability, Temperature, Assessment, Standards, Bibliographies, Acrylic acid, Acrylonitrile polymers, Butadienes, Ethylene, Ethylene oxide, Propiolactones, Styrenes, Vinyl plastics, Explosions, Safety

IDENTIFIERS: *Hazardous materials, DDT/SN, Acrylic acid/(methyl-ester), Vinyl acetate copolymers, Vinyl chloride, Vinylidene chloride resins, Methyl methacrylates, Industrial accidents

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In recent years, there have been a number of serious explosions involving violent monomer polymerizations. As a first step in the study of the causes and mechanisms of these violent polymerizations, a 20 years literature search was performed for twelve monomers. The monomers included in the search were: acrylic acid, acrylonitrile, butadiene, 1, 3, ethylene, ethylene oxide, methyl acrylate, methyl-methacrylate, B-propiolactone, styrene, vinyl acetate vinyl chloride, vinylidene chloride. This document presents the results of the literature search, annotation and data extraction work. To maximize the utility of the findings from this effort, they are organized into the four sections that follow this introduction. Section II provides basic descriptive data on each monomer, their properties, consumption and a discussion of handling hazards. Section III is a matrix presenting the properties of the monomers. These two sections will serve as inputs for the assessments by violent polymerization risk. Section IV is the annotated bibliography organized by key work for each monomer.

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AD-865 520 7/4
JOINT INST FOR LAB ASTROPHYSICS BOULDER COLO INFORMATION
CENTER.Bibliography of Low Energy Electron
Collision Cross Section Data (1967-1969),

(U)

FEB 70 51P Chamberlain, G. E.; Kieffer,

L. J.;

REPT. NO: JILA-IC-10

CONTRACT: DA-31-124-ARO(D)-139

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supplement to Report no. NBS-Miscellaneous Pub-289 dated 10 Mar 67, AD-649 862.

DESCRIPTORS: (*ELECTRON IRRADIATION, *BIBLIOGRAPHIES), (*ELECTRONS, SCATTERING), INTERACTIONS, RARE GASES, ELASTIC SCATTERING, GAS IONIZATION, ATOMIC ENERGY LEVELS, MOLECULAR ENERGY LEVELS, EXCITATION

IDENTIFIERS: COLLISION CROSS SECTIONS, DEFENDER PROJECT

(U)

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The bibliography is a supplement to a previously issued bibliography (AD-649 862) and includes all of the bibliographic material on electron collisions that has been added to our files since the previous publication. The literature for JILA Information Center Report No. 10 was searched from October, 1966, through October, 1969. Additional references from 1969 may be included. The Electron Collision Cross Section Bibliography is divided into three main sections. The first section codes the data which are in the references included in the bibliography. The second section lists the title, authors and complete reference for the paper cited. These are ordered by their 'file' number. The third section consists of an alphabetical author index.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD- 842 931
EDGEWOOD ARSENAL MD

7/4

Free Radicals: A Bibliography. Volume
I. 1963-1964.

(U)

DESCRIPTIVE NOTE: Special Pub..

AUG 68 163P Pozioneck, Edward J. ; Mosher,

William A. ;

REPT. NO. EA-SP-100-33

PROJ: DA-1-C-622401-A-102

TASK: 1-C-622401-A-10204

UNCLASSIFIED REPORT

DESCRIPTORS: (*FREE RADICALS, *BIBLIOGRAPHIES),
SYNTHESIS(CHEMISTRY), CHEMICAL REACTIONS, ELECTRON
PARAMAGNETIC RESONANCE, SPECTROSCOPY, PHOTOLYSIS,
RADIATION CHEMISTRY, TOXIC AGENT ALARMS

(U)

This special publication lists 1672 references on free radicals found by the author as a result of a page to page scan of the 1963 to 1964 issues of the Physical and Analytical Chemistry Sections, and the Organic Chemistry Sections of Chemical Abstracts. This publication is divided into 10 sections: Synthesis, Reactions of Free Radicals, Reactions Through Free-Radical Mechanisms, Metal Ions and Free Radicals, Electron Spin Resonance, Spectroscopy, Photolysis, Radiolysis, Electric and Magnetic Phenomena, and General Considerations. The references are arranged alphabetically in each section according to first author. Each reference contains the author, title, and journal citation. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD- 787 832

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NATIONAL BUREAU OF STANDARDS WASHINGTON D C

Vibrationally Excited Hydrogen Halides: A
Bibliography on Chemical Kinetics of
Chemiexcitation and Energy Transfer Processes
(1958 through 1973).

(U)

DESCRIPTIVE NOTE: Special publication.

APR 74 84P Westley, Francis ;

REPT. NO. NBS-Special Pub-392

PROJ: AF-9750

TASK: 975001

MONITOR: AFOSR TR-74-1692

UNCLASSIFIED REPORT

Availability: Paper copy available from GPO as
stock C13.10:392.
SUPPLEMENTARY NOTE: Previously announced as COM-74-
50348.

DESCRIPTORS: *Bibliographies, *Hydrogen fluoride,
*Hydrogen chloride, *Energy transfer, *Reaction
kinetics, Particle collisions, Exchange reactions,
Elimination reactions, Quenching(Inhibition),
Excitation, Photochemical reactions, Dissociation,
Rates, Molecular vibration, Bromides, Hydrogen
compounds, Iodides
IDENTIFIERS: *Hydrogen bromide, *Chemiexcitation,
Reaction rates, *Hydrogen iodide, Collisional
energy transfer

(U)

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A bibliography, a reaction oriented list of references, is provided for published papers and reports containing rate data for reactions of halogen atoms with hydrogen-containing compounds, or of H (D, or T) atoms with halogen-containing compounds to form vibrationally chemiexcited hydrogen halides. The reactions for vibroeexcitation of hydrogen halides through unimolecular or photochemical elimination, as well as the processes for vibrational energy transfer between hydrogen halides and various second bodies are also included. In addition, four lists of theoretical papers and a list of critical reviews and bibliographies are provided. Over 300 papers covering 50 types of reactions are listed. The period covered extends from 1958 through 1973. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA
AD- 773 400 7/4 21/2
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Energy Conversion (Combustion Chemistry).

(U)

DESCRIPTIVE NOTE: Report bibliography Jan 49-Nov 72.
FEB 74 122P
REPT. NO. DDC-TAS-74-6

UNCLASSIFIED REPORT

DESCRIPTORS: *Bibliographies, *Combustion, Flames, Ignition, Reaction kinetics, Hydrocarbons, Oxidation, Ions, Ignition lag, Energy conversion

(U)

This bibliography is a compilation of 75 references on Energy Conversion (Combustion Chemistry). Corporate Author-Monitoring Agency, Subject, Title, Personal Author, Contract Number and Report Number Indexes are included. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA
AD- 773 250 7/1
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Water: Desalination.

(U)

DESCRIPTIVE NOTE: Report bibliography Nov 53-May 73.
JAN 74 82P
REPT. NO. DDC-TAS-73-80

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes report AD-725 600.

DESCRIPTORS: *Desalination, *Bibliographies, Sea water, Evaporators, Reverse osmosis, Distillation, Evaporation, Solar energy, Freezing, Membranes, Electrodialysis, Water treatment, Cellulose acetates

(U)

The bibliography is comprised of 53 citations of unclassified reports dealing with water desalination. The reports include information on providing fresh water from sea water by means of solar energy, evaporators, distilling plants and vacuum apparatus. Corporate Author-Monitoring Agency Subject, Title, Personal Author, Contract, and Report Number indexes are included. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA
AD- 770 461 7/4 21/7 11/8
BATTILLE COLUMBUS LABS OHIO

The Application of Oil Analysis Techniques
to the Diagnosis of Condition and Prediction of
Failure in U.S. Army Construction
Vehicles.

DESCRIPTIVE NOTE: Final rept. 15 Mar-5 Nov 73,
NOV 73 102P Glaeser, W. A. ; Newman, F.
D. ; Snediker, D. K. ;
CONTRACT: DAAK02-73-C-0217
PROJ: DA-1-G-662708-D-549

UNCLASSIFIED REPORT

DESCRIPTORS: *Lubricating oils, *Chemical analysis,
*Hydraulic fluids, Particulates, Spectrometry,
Contaminants, Engines, Wear, Metals,
Diagnosis, Failure, Decomposition,
Bibliographies, Performance (Engineering),
Monitoring, Lubricant additives, Physical
properties, Radiochemistry
IDENTIFIERS: SOAP (Spectrometric Oil Analysis
Program), *Spectrometric oil analysis program

The report describes the results of a study
intended to define and critically analyze the state
of the art in machine condition diagnosis and failure
prediction by the analysis of lubricating oils or
working fluids. The numerous on-going programs in
spectrographic oil analysis (SOAP) are discussed in
detail and other applicable analytical techniques are
analyzed. Recommendations are made with regard to
the application of oil or hydraulic fluid analysis
techniques to the maintenance of U.S. Army
construction vehicles. On the basis of the state
of existing technology and the unique requirements
associated with Army construction vehicles, a
development program, leading to field test and strap-
on monitors, is outlined. A comprehensive
bibliography is included. (Modified author
abstract)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA
AD- 769 208 7/1
PLASTICS TECHNICAL EVALUATION CENTER DOVER N J

Reverse Osmosis Bibliography: Abstracted
and Indexed.

(U)

DESCRIPTIVE NOTE: Bibliography 1967-1972,
JUN 73 182P Titus, Joan B. ;
REPT. NO. PLASTEC-R45

UNCLASSIFIED REPORT

Availability: no copies furnished by DDC. order
directly from NTIS.

DESCRIPTORS: (*Reverse osmosis, *Bibliographies),
(*Membranes, Reverse osmosis), Abstracts,
Desalination Cellulose acetates
IDENTIFIERS: Hollow fiber membranes, Spiral wound
membr., tubular membranes, Reverse osmosis
desalination

(U)

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A selected, abstracted and indexed bibliography on
reverse osmosis is presented. The 669 works cited
appeared within the five year period 1967-1972. For
guidance among the items cited, subject and author
indexes are provided as well as a glossary of
relevant terms and a list of companies and government
agencies active in the field. (Author-PL)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD- 744 857

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TEXAS UNIV AUSTIN ELECTRONICS RESEARCH CENTER

A Bibliography on the Kerr Effect. (U)

DESCRIPTIVE NOTE: Technical memo.,

MAR 72 56P Thurston, G. B. ; Osman, M. ;

Wilkinson, R. S. ;

REPT. NO. TM-31

CONTRACT: F44620-71-C-0091

PROJ: AF-4751

MONITOR: AFOSR TR-72-0733

UNCLASSIFIED REPORT

DESCRIPTORS: (*KERR CELLS, *BIBLIOGRAPHIES), LIQUIDS, (U)
 BIREFRINGENCE, POLYMERS, DEOXYRIBONUCLEIC ACIDS, (U)
 PROTEINS, AMINO ACIDS, RIBONUCLEIC ACIDS, ELECTRIC
 FIELDS, OPTICS, SOLUTIONS(MIXTURES), THEORY (U)
 IDENTIFIERS: LIQUID CRYSTALS, *KERR ELECTROOPTICAL
 EFFECT (U)

The bibliography is concerned with the Kerr effect, the experimental methods of generation of the effect, the theories for the phenomenon, from both phenomenological and molecular bases, and the properties of materials which exhibit the effect. The literature surveyed covers the period from 1960 through 1971. (Author) (U)

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AD- 739 517

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ARMY FOREIGN SCIENCE AND TECHNOLOGY CENTER CHARLOTTESVILLE VA

Progress in Soviet Science. Zeolite
 Catalysis: An Annotated Bibliography. (U)

MAR 72 35P Yun, Thomas ; Farmer, Ben A.

Jr.;

REPT. NO. FSTC-CW-01-04-72

PROJ: FSTC-T67910703

UNCLASSIFIED REPORT

DESCRIPTORS: (*SILICATES, *CATALYSTS), (*BIBLIOGRAPHIES, CATALYSTS), (*ION EXCHANGE RESINS, SILICATES), CRYSTAL STRUCTURE, CHEMICAL ENGINEERING, DEHYDRATION, (U)
 ALKYLATION, USSR (U)
 IDENTIFIERS: *ZEOLITES, REGENERATION(ENGINEERING), SILICON METAL COMPLEXES, TRANSLATIONS, CRACKING (U)
 PROCESS (U)

The document is a bibliography of 87 Soviet papers published since 1969 on catalysis with natural and synthetic zeolites. A brief abstract follows each entry. An author index is included. (Author) (U)

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AD- 737 708

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Bibliography of Photoabsorption Cross Section Data, (U)

SEP 70 48P

Hudson, Robert D. ;Kieffer,

Lee J. ;

REPT. NO. JILA-IC-11

CONTRACT: DA-31-124-ARO(D)-139

MONITOR: AROD 4445.222 P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Prepared in cooperation with National Aeronautics and Space Administration, Houston, Tex. Manned Spacecraft Center.

DESCRIPTORS: (*GAS IONIZATION, *BIBLIOGRAPHIES),
ABSORPTION SPECTRA, PHOTON BOMBARDMENT, DISSOCIATION,
ULTRAVIOLET SF-CTRA, VISIBLE SPECTRA (U)
IDENTIFIERS: *PHOTOIONIZATION, *PHOTOABSORPTION CROSS SECTIONS (U)

A bibliography of photoabsorption cross section data is presented. Only references which report a measured or calculated photoabsorption cross section (relative or normalized) in regions of continuous absorption are included. The bibliography is current as of January 1, 1970. (Author) (U)

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AD- 730 356

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NATIONAL BUREAU OF STANDARDS WASHINGTON D C INST FOR BASIC STANDARDS

Bibliography on Atomic Transition Probabilities, July 1969 through June 1971, (U)

SEP 71 69P

DESCRIPTIVE NOTE: Special pub.,
Fuhr, J. R. ;Wiese, W. L.

REPT. NO. NBS-SP-320-Suppl-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Library of Congress catalog card no. 76-604 227. See also Rept. no. NBS-SP-320, AD-701 614.

DESCRIPTORS: (*ATOMIC ORBITALS, *ELECTRON TRANSITIONS),
(*BIBLIOGRAPHIES, ATOMIC ORBITALS), ATOMS, ATOMIC SPECTROSCOPY, QUANTUM MECHANICS, EMISSION, ABSORPTION (U)
IDENTIFIERS: *QUANTUM CHEMISTRY, TRANSITION PROBABILITIES (U)

The report is the first supplement to the NBS Special Publication 320, 'Bibliography on Atomic Transition Probabilities,' and it covers the most recent literature on the subject from July 1969 through June 1971. The papers are arranged according to elements and stages of ionization, and the method employed and classification of transitions are indicated for each reference. Only articles on discrete transitions, both allowed and forbidden, are listed. Papers containing data for many elements within isoelectronic sequences are collected separately in front of the list in order to keep this bibliography to a reasonable size. Also included is a selected list of new papers dealing with the subject of atomic transition probabilities from a general point of view. (Author) (U)

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Raman Spectroscopy.

(U)

DESCRIPTIVE NOTE: Report bibliography Apr 60-Feb 71.

JUN 71 448P

REPT. NO. DDC-TAS-71-27

UNCLASSIFIED REPORT

DESCRIPTORS: (*RAMAN SPECTROSCOPY, *BIBLIOGRAPHIES),
 INFRARED SPECTRA, AROMATIC COMPOUNDS, ALIPHATIC
 COMPOUNDS, SOLID STATE PHYSICS, METALORGANIC COMPOUNDS,
 SEMICONDUCTORS, COMPLEX COMPOUNDS, CRYSTAL DEFECTS,
 PHONONS, GAS LASERS, INORGANIC COMPOUNDS, GALLIUM
 ARSENIDES, SULFUR COMPOUNDS, FLUORINE COMPOUNDS,
 HALOGENATED HYDROCARBONS (U)
 IDENTIFIERS: LASER SPECTROSCOPY, MOLECULAR (U)
 VIBRATION (U)

The annotated bibliography on Raman
 Spectroscopy has been compiled from the Defense
 Documentation Center's collection. Included are
 title and subject indexes. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD- 724 810 7/5 18/8

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Radiation Damage. Volume I.

(U)

DESCRIPTIVE NOTE: Report bibliography Jan 65-May 70.

JUN 71 233P

REPT. NO. DDC-TAS-71-22-1

UNCLASSIFIED REPORT

DESCRIPTORS: (*DAMAGE, *BIBLIOGRAPHIES), SEMICONDUCTOR
 DEVICES, RADIATION CHEMISTRY, NEUTRONS, GAMMA RAYS,
 CRYSTALS, METALS, LASERS, ELECTRONS, SOLAR CELLS,
 (U) SOLAR CELLS (U)

The annotated bibliography has been compiled from
 the Defense Documentation Center's data bank
 holdings from January 1965 to January 1971 on
 Radiation Damage. These damages have been
 limited to changes in materials exposed to gamma
 rays, fission fragments, or neutrons. Also included
 are the corporate author-monitoring agency, subject,
 and title indexes. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMDA

AD- 708 709 7/4 11/2 11/4
IOWA STATE UNIV AMES ENGINEERING RESEARCH INSTA LITERATURE SURVEY ON PHYSICOCHEMICAL PROPERTIES OF
GLASS SURFACES AND THEIR INTERACTION WITH VAPORS, (U)FEB 70 115P Huang,Rodney J. ;Johnson,
Richard D. ;Demirel,Turgut ;McGee,Thomas D.REPT. NO. ERI-68500
CONTRACT: F33615-68-C-1034
PROJ: ERI-713-S
MONITOR: ARL 74-0167

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Report on Project THEMIS, A
Center of Excellence in Ceramic and Composite
Materials.DESCRIPTORS: (*GLASS, ADSORPTION), (*COMPOSITE
MATERIALS, ADSORPTION), (*CERAMIC MATERIALS,
*ADSORPTION), (*BIBLIOGRAPHIES, ADSORPTION), SORPTION,
CHEMISORPTION, INTERFACES, GLASS TEXTILES, WATER VAPOR, (U)
HYDROCARBONS
IDENTIFIERS: *FIBERGLASS REINFORCED PLASTICS, *GASES,
*INTERACTIONS, *SURFACES, *SURFACE CHEMISTRY, THEMIS
PROJECT (U)The literature from 1949 through mid-summer 1969
has been searched and screened. This paper contains
two parts: (1) a discussion of properties of
glasses and adsorbates, and theories concerning
sorption, (2) a list of abstracted literature.
An author index and a list of the literature
covered are also included. One hundred and thirty
periodicals have been searched; the abstracts
included in this report are from 334 authors and 233
articles. (Au:hor) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMDA

AD- 705 110 7/4
GEORGETOWN UNIV WASHINGTON D CSEMIEMPIRICAL AND APPROXIMATE METHODS FOR MOLECULAR
CALCULATIONS - BIBLIOGRAPHY AND KWIC INDEX, (U)DEC 69 293P Henderson,George A. ;
Frattali,Sandra ;
CONTRACT: NBS-CST-372

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Sponsored by Advanced Research
Projects Agency, Washington, D. C. See also
AD-705 109.DESCRIPTORS: (*ATOMS, INTERACTIONS), (*BIBLIOGRAPHIES,
MOLECULAR ENERGY LEVELS), INDEXES, VIBRATION, MOLECULAR
ORBITALS (U)
IDENTIFIERS: *ATOM MOLECULE INTERACTIONS, *COLLISIONS, (U)
*ENERGY TRANSFER, VIBRATIONAL ENERGY LEVELS (U)In recent years a great many calculations on
vibrational energy transfer have appeared in the
literature. Since most of the calculations have
been done for a one-dimensional atom-diatom
exponential interaction, a large amount of data has
accumulated that is easy to categorize. In the
present compilation, therefore, we limit ourselves to
these calculations. Specifically, only those
results are included that refer to the system A---
B - C with an exponential interaction between A
and B and a harmonic interaction between B and
C. This problem can be completely specified with
the incident relative energy of A and B - C, a
potential parameter, and a single mass parameter
defined in the text. Collisional transition
probabilities are tabulated as a function of these
three parameters and the oscillator quantum numbers.
(Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD- 703 400

7/4

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

NUCLEAR MAGNETIC RESONANCE. VOLUME I. (U)

DESCRIPTIVE NOTE: Report bibliography Jan 56-Nov 69.

MAR 70 342P

REPT. NO. DDC-TAS-70-18-1

UNCLASSIFIED REPORT

DESCRIPTORS: (*NUCLEAR MAGNETIC RESONANCE,
*BIBLIOGRAPHIES). CHEMICAL BONDS, DIPOLE MOMENTS,
MOLECULAR STRUCTURE, POLYMERS, METALORGANIC COMPOUNDS,
FREE RADICALS, IONS, ORGANIC PHOSPHORUS COMPOUNDS,
ORGANIC NITROGEN COMPOUNDS, ORGANIC SULFUR COMPOUNDS,
CRYSTALS, METAL CARBONYLS, BORON COMPOUNDS, RARE GASES (U)
IDENTIFIERS: *SPECTROSCOPIC ANALYSIS (U)

The volume is a compilation of annotated references
on nuclear magnetic resonance dealing mainly in
chemical shifts and their identification. A few
references on theoretical discussions of nmr
spectroscopy are included. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD- 701 614

7/4

NATIONAL BUREAU OF STANDARDS WASHINGTON D C

BIBLIOGRAPHY ON ATOMIC TRANSITION PROBABILITIES,
JANUARY 1916 THROUGH JUNE 1969, (U)

FEB 70 114P

Miles, B. M.; Wiese, W. L.

REPT. NO. NBS-SP-320

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes NBS-MP-278 and
Supplement AD-667 335. Paper copy also available from
Superintendent of Documents, GPO, Washington, D.
C. 20402. \$1.25.

DESCRIPTORS: (*ATOMIC ORBITALS, *ELECTRON TRANSITIONS),
(*BIBLIOGRAPHIES, ATOMIC ORBITALS), ATOMIC SPECTROSCOPY,
EMISSION, ABSORPTION (U)
IDENTIFIERS: *QUANTUM CHEMISTRY (U)

A revised and updated bibliography on atomic
transition probabilities including all new references
up to July 1, 1969 is presented. The papers,
except for a number of comprehensive articles, are
arranged according to elements and stages of
ionization. In addition to the literature reference
the employed experimental or theoretical method is
indicated. For the 20 lightest elements and Ba
I and II the literature is presented on a
critically selected basis. To keep the bibliography
to a compact size, a number of comprehensive papers
which contain numerical results throughout extended
isoelectronic sequences are listed in a separate
section. Also included in this bibliography is a
supplementary list of selected important papers
dealing with the subject of transition probabilities
from a general point of view. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA
AD- 698 300 7/4 20/5 7/2 6/16
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

XENON. VOLUME I. (U)

DESCRIPTIVE NOTE: Report bibliography Nov 59-Jun 69.
NOV 69 278P
REPT. NO. DDC-TAS-69-66-1

UNCLASSIFIED REPORT

DESCRIPTORS: (*XENON, *BIBLIOGRAPHIES). (*GAS LASERS, XENON). (*PHYSIOLOGY, *RARE CASES), CHEMICAL REACTIONS, PLASMAS(PHYSICS), GAS CHROMATOGRAPHY, ULTRAVIOLET SPECTRA, VISIBLE SPECTRA, ATOMIC ENERGY LEVELS, BIOCHEMISTRY, BAND THEORY OF SOLIDS, FLUORIDES, CRYSTAL STRUCTURE, LIQUEFIED GASES, CRYOGENICS, DIODES(ELECTRON TUBES). SCATTERING, EQUATIONS OF STATE, GAS IONIZATION, INFRARED SPECTRA, MAGNETOHYDRODYNAMIC GENERATORS, RADIATION CHEMISTRY, LUMINESCENCE (U)
IDENTIFIERS: ATOM MOLECULE INTERACTIONS, ION MOLECULE INTERACTIONS, LIQUID XENON, XENON FLUORINE COMPLEX COMPOUNDS, XENON OXYFLUORIDES, XENON HEXAFLUORIDE (U)

The bibliography contains references (with abstracts) problems related to high power gas laser systems to the physiological: effects of argon, helium and the rare gases. References dealing with scattering of ruby laser light by gases, receivers for laser radars, experimental investigation of the low voltage arc in noble gases, the application of the ionic beams to study of corrosion of metals by gases, and solid state studies of the noble (rare) gases and their solid solutions are also discussed. Citations on Xenon Lamps have been excluded and will appear at a later date in separate volumes. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA
AD- 695 692 7/4 3/2
JOINT INST FOR LAB ASTROPHYSICS BOULDER COLO INFORMATION CENTER.

BIBLIOGRAPHY OF ION-MOLECULE REACTION RATE DATA, (U)

AUG 69 72P Sinnott, George A. ;
REPT. NO. JILA-9
CONTRACT: DA-31-124-ARO(D)-139
MONITOR: ARD 4445:144-P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Rept. no. NBS-Miscellaneous Pub-289, AD-649 862.
DESCRIPTORS: (*ION BOMBARDMENT, *BIBLIOGRAPHIES), INTERACTIONS, IONS, MOLECULES (U)
IDENTIFIERS: *COLLISION CROSS SECTIONS, *ION MOLECULE INTERACTIONS (U)

The bibliography extends the JILA Information Center coverage of low energy atomic collision phenomena to include ion-molecule reaction rate data. The bibliography was compiled by a search of the open, published literature for those papers that contain original experimental data on ion-molecule reaction cross sections or rate constants. In particular, the processes searched for were: positive and negative ions either charge exchanging or heavy particle exchanging with neutral molecules or atoms, excited neutrals reacting with neutrals to create ionized species, and ion-ion reactions. (U)

(Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD- 693 500 7/4 7/5 20/12 5/2
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

KRYPTON.

(U)

DESCRIPTIVE NOTE: Report bibliography Jul 61-Feb 69.
SEP 69 165P
REPT. NO. DDC-TAS-69-56-1

UNCLASSIFIED REPORT

DESCRIPTORS: (*KRYPTON, BIBLIOGRAPHIES), TRANSPORT
PROPERTIES, GAS IONIZATION, RARE GASES, SOLIDIFIED
GASES, HYPERFINE STRUCTURE, MUONS, FREQUENCY SHIFT,
IONIZATION POTENTIALS, PHONONS, EQUATIONS, INTERACTIONS,
CRYSTALS, PHYSICAL PROPERTIES, ABSORPTION SPECTRA,
ATOMIC PROPERTIES, MATHEMATICAL ANALYSIS, THERMAL
PROPERTIES, MAGNETIC PROPERTIES, IONIZATION,
THERMOCHEMISTRY, PHYSICAL CHEMISTRY, THERMIONIC
CONVERTERS (U)
IDENTIFIERS: ANHARMONICITY, PHOTOIONIZATION CROSS
SECTIONS (U)

This bibliography contains references ranging from
physico-chemical properties to thermochemical data.
References dealing with inter and intra-atomic
collisions, retention by metals, photoionization
cross sections, and krypton-filled thermionic
converters are also discussed. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOA

AD- 686 473 7/4 20/2 20/12
SYSTEMS RESEARCH LABS INC DAYTON OHIO

A BIBLIOGRAPHY ON LOW ENERGY ELECTRON DIFFRACTION
AND RELATED TECHNIQUES.

(U)

DESCRIPTIVE NOTE: Final rept.,

JAN 69 83P Jackson, Allen G.; Hooker,
Michael P.; Haas, Trice W.; Dooley, George J.

, III; Grant, John T.;

CONTRACT: F33615-69-C-1064

PROJ: AF-7023

TASK: 702300

MONITOR: ARL 69-0003

UNCLASSIFIED REPORT

DESCRIPTORS: (*ELECTRON DIFFRACTION, BIBLIOGRAPHIES),
SURFACES (U)
IDENTIFIERS: ELECTRON DIFFRACTION, LOW ENERGY, SURFACE
CHEMISTRY (U)

A bibliography of papers published on Low
Energy Electron Diffraction is given. Cross
references to materials studied, authors, and
subjects are also included. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMQA

AD- 684 533 7/2 20/12
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY
DIV

PREPARATION AND PURIFICATION OF SILICON
CARBIDE. (U)

DESCRIPTIVE NOTE: Surveys of foreign scientific and
technical literature, Kourilo, John ;
MAR 69 21P
REPT. NO. ATO-68-86

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Based on Soviet open source
materials covering the period from 1966 to July 67.

DESCRIPTORS: (*SILICON CARBIDES, BIBLIOGRAPHIES),
PURIFICATION, SYNTHESIS(CHEMISTRY), SINGLE CRYSTALS, (U)
USSR, SEMICONDUCTORS (U)
IDENTIFIERS: TRANSLATIONS (U)

The bibliography is based on Soviet open source materials available at the Aerospace Technology Division and the Library of Congress and generally covers the period from 1966 to July 1967, although some pertinent 1965 materials were also included. The subject coverage is not exhaustive, but it is felt that the materials collected represent all major trends of Soviet research and development in the covered field. For the purpose of retrieval, the materials were divided into two parts. Part I covers problems of silicon carbide preparation and the growing of silicon carbide single crystals and thin films for semiconductor devices. Part II treats problems of purity, including the purification and chemical analysis of silicon carbide and of starting materials for silicon carbide preparation. (U)

SECTION II -

EARTH SCIENCES AND OCEANOGRAPHY

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A043 789 8/13 13/2 8/7
 ARMY ENGINEER WATERWAYS EXPERIMENT STATION VICKSBURG MISS
 PAVEMENTS/ SOIL TRAFFICABILITY INFO ANAL CTR

A Bibliography with Abstracts of U.S.
 Army Engineer Waterways Experiment Station
 Publications Related to Terrain,

JUN 77 390P Meyer, Marvin P. ;

REPT. NO. PSTIAC-4
 PROJ: 1E865803M761
 TASK: 05

UNCLASSIFIED REPORT

DESCRIPTORS: *Terrain, *Bibliographies, *Soils,
 Military applications, Remote Detectors,
 Trafficability, Pavements, Cratering, Nuclear
 explosions, Vegetation, Soil mechanics,
 Watersheds, Aerial photographs, Europe, Jungles,
 Deserts, Mobility, Landing fields, Army Corps
 of Engineers, Army research, Abstracts
 IDENTIFIERS: Waterways Experiment Station,
 Form 1473(DD), PE65803A, AS761

(U)

(U)

This bibliography, with abstracts, of unclassified reports on terrain covers reports published from 1951 through 1976 by the U. S. Army Engineer Waterways Experiment Station (WES). Most of the reports were prepared by personnel of or under contract to the Mobility of Environmental Systems Laboratory (MESL) of the WES; some of the reports were prepared by personnel of the Soils and Pavements Laboratory. Indexes are included by subject, personal author, corporate author of contract reports, region, and military base. One part contains Document Control Data--R/D or Report Documentation Page data (DD Form 1473) that includes abstracts and other pertinent bibliographic information for each report. The reports relate to the characterization and remote sensing of terrain as applied generally to military operations in research and development studies.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A043 461 8/12 13/13
 COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H

Bibliography on Cold Regions Science and
 Technology. Volume 30, Part 1 and Part 2.

(U)

DESCRIPTIVE NOTE: Rept. for Jul 75-Sep 76,
 DEC 76 699p Thuronyi, Geza T. ;
 REPT. NO. CRREL-12-30-1-2

UNCLASSIFIED REPORT

Available from National Technical Information
 Service, Springfield, Va. 22161. PC\$15.00,
 MF\$15.00.

SUPPLEMENTARY NOTE: See also Volume 29, Part 1, AD-
 A022 640 and Volume 29, Part 2, AD-A022 641.

DESCRIPTORS: *Cold regions, *Polar regions,
 *Bibliographies, *Permafrost, *Snow, *Ice,
 Reports, Abstracts, Indexes, Soils, Freezing,
 Sea ice, Melting, Creep, Stresses, Frost
 heave, Thermal conductivity, Construction materials,
 Pavements, pile structures, Maintenance,
 Construction, Arctic regions, Antarctic regions,
 Remote detectors

(U)

(U)

IDENTIFIERS: *Frozen soils, Cold weather
 construction

The present volume contains material accessioned between July 1975 and September 1976. The volume consists of two parts. Pt. 1 contains the full citation of 4635 items, in many cases with abstracts. Pt. 2 is an index section divided into author and subject indexes. In the author index principal and joint personal and corporate authors are listed along with the title, date, pagination, and language of the document and the accession number. The subject index is composed of three basic elements: (1) Terms taken from a controlled vocabulary based on the Thesaurus of Engineering and Scientific Terms (LEX-EUC); (2) Free terms added as needed; and (3) Geographic names, generally entered under countries.

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UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A039 662 8/10 8/3
WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

Bibliography of Technical Reports, 1976, (U)

JAN 77 13P Fuglister, Cecelia B. ;
REPT. NO. WHOI-76-116

UNCLASSIFIED REPORT

DESCRIPTORS: *Oceanography, Reports,
Bibliographies (U)

This bibliography lists all Technical Reports prepared by the Woods Hole Oceanographic Institution in the year 1976. It includes an author index, and also a key relating Reports to 'Contribution Numbers'. Many of the Reports appear in this dual role, which means that they are available in published literature. NIS numbers are provided as far as known. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A036 191 8/10 5/2 13/13
EG AND G WASHINGTON ANALYTICAL SERVICES CENTER INC
ROCKVILLE MD

Annotated Bibliography Relative to Fixed Ocean Facilities. (U)

DEC 76 46P
CONTRACT: N00014-76-C-0534
MONITOR: CHES/NAVFAC FPO-1-77(8)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also AD-A036 192

DESCRIPTORS: *Ocean environments, *Bibliographies,
*Naval shore facilities, Construction, Reports,
Documentation, Offshore structures (U)
IDENTIFIERS: Ocean engineering (U)

This is a bibliography of approximately 198 handbooks; manuals; specifications, standards, and regulations; technical reports; proceedings, journal articles on fixed ocean facilities. Some bibliography entries have been accessed as to their contents. There is no index or cross-referencing. This bibliography is not definitive. (Author) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
AD-A033 176 8/6 5/2
ARMY ENGINEER DISTRICT WILMINGTON N C

The Georgia Coastal Environment. A
Compilation of Resource Materials Covering
the Coastal Plain, Estuaries and Offshore
Waters.

(U)

75 161P Dubach, Harold W. ;

UNCLASSIFIED REPORT

DESCRIPTORS: *Coasts, *Coastal regions, *Georgia,
*Bibliographies, Ground water, Weather, Climate,
Fishes, Estuaries, Ecology, Marine biology,
Offshore, Geology, Oceanographic data,
Environmental management, Environments, Natural
resources

(U)

This report represents an effort on part of the
Wilmington District Corps of Engineers to
facilitate the availability of information relating
to the coastal environment. The Corps has many
responsibilities on the coast including navigation,
shore protection, hurricane protection, flood
control, recreation and the permitting program. The
author has concentrated his efforts herein to
Georgia, yet references to North Carolina,
South Carolina and Florida are frequent. It
is recognized that environments conform to the
boundaries of nature more so than to the boundaries
of man's institutions. In this light, information
relating to the Georgia coastal environment can be
effectively utilized in other areas of the Atlantic
Coast either by gaining regional perspectives or
through application of relevant principles contained
in the work. It is hoped that by the collective use
of this and other similar works, interested citizens,
the academic community and governmental bodies can
begin to achieve a common knowledge of published
information relating to the coastal environment.
(Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
AD-A032 042 8/12
COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H

USA CRREL Technical Publications.

(U)

DESCRIPTIVE NOTE: Cumulative supplement.

DEC 75 82P

REPT. NO. CRREL-SR-175-Suppl

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated Jun 72, AD-
A032 041.

DESCRIPTORS: *Cold regions, *Polar regions,
*Bibliographies, Indexes, Permafrost,
Construction, Soil mechanics, Construction
materials, Sea ice, Pavements, Snow, Ground
water, Seismic reflection, Percolation, Thermal
conductivity, Maintenance
IDENTIFIERS: Frozen soils

(U)
(U)

The report is a cumulative supplement to U.S.
Army Cold Regions Research and Engineering
Laboratory Technical Publications June 1972
(SR 175). The bibliography contains reports,
monographs, and indexes on research relating to cold
climate regions. Some of the areas covered are
permafrost, soil mechanics, sea ice, hydrology,
thermal conductivity, as applied to construction,
exploration, and maintenance.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
 AD-A032 041 8/12 13/2 14/2
 COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H
 USA CRREL Technical Publications. (U)

JUN 72 380P
 REPT. NO. CRREL-SR-175

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated 1 Dec 75,
 AD-A032 042.

DESCRIPTORS: *Permafrost, *Cold regions,
 *Bibliographies, Penetration, Snow, Frost,
 Soils, Winter, Freezing, Meteorological data,
 Construction, Abstracts, Ice, Cold weather
 tests, Foundations(Structures), Civil
 engineering, Indexes, Scientific research
 IDENTIFIERS: *Frozen soils (U)
 (U)

The Cold Regions Research and Engineering Laboratory of the Corps of Engineers has the responsibility for conducting and monitoring scientific and technological programs in the cold regions of the world. These programs in part support the more applied studies which include investigation and development of design criteria for facilities in permafrost areas -- including foundation studies, development of improved procedures for operating and maintaining facilities, development of adequate water supply and sewage disposal systems, site selection and subsurface exploration, trafficability of various surfaces, construction of expedient facilities and excavation of frozen ground. This report lists publications, monographs, translations, indexes, and miscellaneous reports from this program. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
 AD-A031 402 8/10 5/2
 WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS
 Bibliography of Technical Reports, 1975, (U)
 JAN 76 12P Fuglister, Cecelia B. ;
 REPT. NO. WHOI-75-69

UNCLASSIFIED REPORT

DESCRIPTORS: *Oceanographic data, *Bibliographies,
 Reports, Indexes (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A030 383 8/3
WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

Internal Waves in the Ocean.

(U)

DESCRIPTIVE NOTE: Technical rept.,
76 22P Briscoe, Melbourne G. ;
REPT. NO. WHOI-Contrib-3487, WHOI-76-56
CONTRACT: N00014-74-C-0262
PROJ: NR-083-004

UNCLASSIFIED REPORT

Availability: Pub. in The Reviews of Geophysics
and Space Physics, v13 n3 p591-645 Jul 75.
SUPPLEMENTARY NOTE: Prepared in cooperation with Johns
Hopkins Univ., Laurel, Md. Applied Physics
Lab.

DESCRIPTORS: *Internal waves, *Gravity waves,
Dynamics, Oceanography, Air water interactions,
Frequency, Spectra, Mooring, Arrays, Buoys,
Towing, Instrumentation, Acoustic waves,
Acoustic measurement, Bibliographies, Ocean waves,
Oceans, Reviews, Reprints
IDENTIFIERS: Brunt Valsala frequency

(U)
(U)

Progress in measuring, describing, and
understanding oceanic internal gravity waves during
the quadrennium 1971-1974 is reviewed. Emphasis is
given to trends in techniques and ideas that hold
promise for the future. An extensive bibliography
is provided. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A029 787 8/3
INFORMATICS INC ROCKVILLE MD

Bibliography of Soviet Material on Internal
Waves.

(U)

DESCRIPTIVE NOTE: Rept. no. 7, May-Aug 76,
SEP 76 27P Hibben, Stuart G. ;Boylan,
L. H. ;Ness, M. ;
CONTRACT: MDA903-76-C-0254, MDA903-76-C-0099
PROJ: DARPA Order-3097

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated May 76, AD-
A025 813.

DESCRIPTORS: *Ocean waves, *Internal waves,
*Bibliographies, Turbulent flow, Heat transfer,
Stratification, Coastal regions, Microstructure,
Gravity waves, Underwater sound, Polarization,
Reverberation, Aerial reconnaissance, Remote
detectors, Ocean surface, USSR
IDENTIFIERS: Most Project-2

(U)
(U)

This is the seventh bibliography of Soviet open-
source publications relating to internal wave
studies. It covers material received from May
1976 through August 1976. Main selection
criteria are studies of small-scale variation in
ocean parameters and of airborne techniques for
deducing internal wave conditions. An index of
serial source abbreviations is appended.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A025 813
INFORMATICS INC ROCKVILLE MD

8/3

Bibliography of Soviet Material on Internal Waves, Number 6, November 1975 - April 1976.

DESCRIPTIVE NOTE: Interim rept.,

MAY 76 42P

Hibben, Stuart G. ; Boylan,

L. H. ; Ness, M. ;

CONTRACT: MDA903-76-C-0099, DARPA Order-3097

(U)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also AD-A017 553.

DESCRIPTORS: *Internal waves, *Ocean waves,
 *Bibliographies, Turbulent flow, Heat transfer,
 Capillary waves, Surfaces, Signatures,
 Microstructure, Radiometry, USSR
 IDENTIFIERS: Most project-2

(U)
(U)

This is the sixth bibliography of Soviet open-source publications relating to internal wave studies. It covers material received from November 1975 through April 1976. Main selection criteria are studies of small-scale variation in ocean parameters and of airborne techniques for deducing internal wave conditions. An index of serial source abbreviations is appended. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A025 753

8/6

8/10

8/7

13/2

ARCTIC INST OF NORTH AMERICA ARLINGTON VA

Arctic Bibliography. Volume 16.

(U)

DESCRIPTIVE NOTE: Technical rept. 1968-71,

75

1397P

Martna, Maret H. ;

REPT. NO. AINA-TR-19, ISBN-0-7735-9076-5

CONTRACT: N00014-72-A-0375-0002, DAHC04-69-C-0038

UNCLASSIFIED REPORT

Availability: Paper copy available from Arctic Inst. of North America 3426 N. Washington Blvd., Arlington, Va. 22201.

SUPPLEMENTARY NOTE: Sponsored in part by Contracts DOT-CG-10927-A, AT(30-1)-2797, and Grant NSF-GA-20026. Library of Congress Catalog Card no. 53-61783. Also pub. as ISSN-0066-6947. See also Volume 15, AD-739 745.

(U)

DESCRIPTORS: *Arctic regions, *Bibliographies, Reports, Abstracts, Climate, Geology, Sea ice, Transportation, Oceanography, Harbors, Geophysics, Construction, Geography, Minerals, Ecology, Agriculture, Civil engineering, Economics, Scientific research, Indexes

The present volume of Arctic Bibliography summarizes and indexes 7123 publications making a total of 108723 books and papers abstracted since the beginning of the project. Most of the papers were published in 1968-71. Mineral exploration and development continued to be the most widespread and intensive interest in the North. Transportation was represented in the literature on air, and surface travel and freighting, and pipelines. Formation and growth of ice, its strength, impact on harbor installations, power stations, etc., were described. Health service, hospital facilities, and acclimatization problems continued to make up a significant part of the literature. The book is the final volume in this series in this format.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A023 647 8/11 20/1
 SCRIPPS INSTITUTION OF OCEANOGRAPHY SAN DIEGO CALIF MARINE
 PHYSICAL LAB

Exploration Seismology at Sea. (U)

DESCRIPTIVE NOTE: Summary rept. 1971-1974.

75 9P Shor, George G., Jr;

REPT. NO. MPL-J-22/75

CONTRACT: N00014-69-A-0200-6002, NSF-GA-19703

PROJ: NR-260-103

UNCLASSIFIED REPORT

Availability: Pub. in Reviews of Geophysics and
 Space Physics. v13 n3 p538-540 and 548-550 Jul
 75.

DESCRIPTORS: *Seismology, *Marine geophysics,
 Seismic waves. Seismic reflection, Sonobuoys,
 Hydrophones, Multichannel, Profiles, Velocity,
 Refraction, Wide angles, Ocean bottom,
 Structural geology. Sediments, Rock,
 Bibliographies. Reprints (U)

This report is a contribution to the U.S.
 quadrennial report to the IUGG. The use of
 continuous seismic profiling, multichannel seismic
 reflection studies, wide-angle reflection studies
 using sonobuoys, and seismic refraction at sea has
 continued to increase. Geological results from
 these surveys have included not only knowledge of
 seafloor structure in previously unexplored areas,
 but also more detailed information about the
 structure and physical properties of both the
 sediments and the crystalline rocks of the seafloor.
 An extensive bibliography is included. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A022 797 8/12
 BIRMINGHAM UNIV (ENGLAND) DEPT OF PHYSICS

Cold Regions Science and Engineering
 Monograph ii-C2b, The Mechanics of Ice, (U)

DEC 75 50P Glen, John W. ;

CONTRACT: DAJ37-68-C-0208

PROJ: DA-1-T062112-A-130

TASK: 1-T-062112-A-13001

MONITOR: CRREL CRSE-2-C2b

UNCLASSIFIED REPORT

DESCRIPTORS: *Ice, *Plastic deformation,
 Mechanical properties, Reviews, Stresses,
 Elastic properties, Loads (Forces), Plastic
 properties, Stress strain relations, Sound
 transmission, Creep, Single crystals,
 Polycrystalline, Fracture (Mechanics),
 Recrystallization, Grain growth, Bibliographies (U)

IDENTIFIERS: *Ice mechanics, Anelasticity, Ice
 physics (U)

This monograph summarizes knowledge of the
 mechanics of ice. It is concerned principally with
 the effect of stress on the mechanical properties of
 ice, including elasticity, anelasticity, sound
 propagation, plastic deformation and creep in single
 crystals and in polycrystalline ice, fracture, and
 recrystallization and grain growth that accompanies
 plastic deformation. The monograph also includes a
 comprehensive bibliography. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A022 641 8/12
COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N HBibliography on Cold Regions Science and
Technology. Volume XXIX, Pt. 2. (U)DEC 75 312P
REPT. NO. CRREL-12-29-2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Volume 29, Part 1, AD-
A022 640.

DESCRIPTORS: *Cold regions, *Polar regions,
*Bibliographies, Indexes, Permafrost, Soil
mechanics, Construction materials, Snow,
Pavements, Freezing, Melting, Rheology,
Stresses, Pile structures, Sea ice, Thermal
conductivity, Creep, Maintenance, Construction,
Subject indexing (U)

IDENTIFIERS: Frozen soils (U)

The report is a companion issue to CRREL Report
12, Vol. XXIX, Pt. 1. The latter contains
the full bibliographic citations referred to in the
author and subject indexes included in this issue.
In the author index principal and joint personal
and corporate authors are listed along with the
title, date, pagination, and language of the document
and the accession number. The subject index is
composed of three basic elements: (1) terms
taken from a controlled vocabulary based on the
Thesaurus of Engineering and Scientific Terms
(LEX-EJC), (2) free terms added as needed,
(3) geographic names, generally entered under
countries. The terms are listed in a single
alphabetical arrangement, along with title
(original, translated, abridged, expanded, or
supplied), principal author, date, pagination, and
language of pertinent documents, and their accession
numbers. When ordering this publication, both
Parts 1 and 2 should be ordered, as they are
complementary. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A022 640 8/12
COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N HBibliography on Cold Regions Science and
Technology. Volume XXIX, Pt. 1. (U)75 288P
REPT. NO. CRREL-12-29-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Volume 29, Part 2, AD-
A022 641.

DESCRIPTORS: *Cold regions, *Polar regions,
*Bibliographies, Indexes, Permafrost, Soil
mechanics, Construction materials, Snow,
Pavements, Freezing, Melting, Rheology,
Stresses, Pile structures, Sea ice, Thermal
conductivity, Creep, Maintenance, Construction,
Subject indexing (U)

IDENTIFIERS: Frozen soils, Remote sensing (U)

The Bibliography on Cold Regions Science
and Technology, CRREL Report 12, was first
published in 1951 and is a continuing publication of
the Cold Regions Bibliography Project in the
Science and Technology Division of the
Library of Congress. It is sponsored by and
prepared for the Cold Regions Research and
Engineering Laboratory (formerly Snow, Ice
and Permafrost Research Establishment) of the
U.S. Army Corps of Engineers. With volume
20 the title was changed to Bibliography on Snow,
Ice and Frozen Ground, with Abstracts, and
with volume 23 the current title was adopted. The
present volume contains material accessioned between
July 1974 and June 1975. The volume consists of
two parts, each separately bound. Pt. 1 contains
the full citation of 4032 items, in many cases with
abstracts. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A022 472 8/3 14/2
INFORMATICS INC ROCKVILLE MD

Soviet Material on Internal Wave Effects,
Number 5, March 1976.

MAR 76 100P Hibben, Stuart G. ; Kourilo ,
John ; Shrestha, B. L. ; Ness, M. ;
CONTRACT: MDA903-76-C-0099, DARPA Order-3097

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Number 4 dated Sep 75,
AD-A015 653.

DESCRIPTORS: *Internal waves, *Ocean waves,
*Capillary waves, *Bibliographies, USSR,
Abstracts, Turbulent flow, Ocean surface,
Surface properties, Oceanographic equipment, Ocean
environments, Microstructure, Internal, Sources,
Detection, Detectors, Flowmeters,
Instrumentation, Active systems, Passive systems,
Ocean models, Indexes, Translations
IDENTIFIERS: Oceanic structure, Most Project-
2

(U)
(U)

This collection of abstracts on generation and
detection of internal waves is based on items listed
in the fifth Bibliography of Soviet Material on
Internal Waves, published 10 Nov 1975, which
covers material received June-Oct 1975. The
abstracts are divided into internal effects and
surface effects, comprising active and passive
measurement of wave states. An author index is
appended.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A020 598 8/6 8/2 17/9
KANSAS UNIV/CENTER FOR RESEARCH INC LAWRENCE REMOTE
SENSING LAB

Use of Radar Images in Terrain Analysis:
An Annotated Bibliography.

DESCRIPTIVE NOTE: Technical rept.,
SEP 75 336p Delliwig, L. F. ; Hanson, B.
C. ; Hardy, N. E. ; Hulen, P. L. ; McCauley,
J.

REPT. NO: RSL-TR-288-2

CONTRACT: DAAK02-75-C-0145

MONITOR: ETL 0024

UNCLASSIFIED REPORT

DESCRIPTORS: *Terrain, *Terrain analysis radar,
*Radar images, *Bibliographies, Geographic areas,
Tactical reconnaissance, Geological survey,
Mapping, Abstracts, Reviews, AN/APS-94D,
Indexes

IDENTIFIERS: Remote sensing, AN/APQ-97, AN/
APS-94C

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(U)

An annotated bibliography of articles, papers and
reports dealing with the application of imaging radar
systems to the geosciences has been prepared to meet
the needs of both the potential user of radar imagery
and the researcher in the field of tactical terrain
analysis. The principles of imaging radars are
described in an introductory section. Following are
bibliographic entries which have been prepared for
those pertinent publications produced since the
earliest days of imaging radars up to the present
time (May, 1975).

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A017 553 8/3

INFORMATICS INC ROCKVILLE MD

Bibliography of Soviet Material on Internal Waves, Number 5, June-October 1975,

(U)

NOV 75 34P Hibben, Stuart G. ; Boylan,

L. H. ; Ness, M. ;

CONTRACT: MDA903-77-C-0099, DARPA Order-3097

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated 6 Jun 75, AD-A010 858.

DESCRIPTORS: *Ocean waves, *Internal waves, *Bibliographies, Turbulent flow, Heat Transfer, Stratification, Coastal regions, Gravity waves, Acoustics, Reverberation, Polarization, Microstructure, Aerial reconnaissance, Remote detectors, Ocean surface, USSR

(U)

The report is the fifth bibliography of Soviet open-source publications relating to internal wave studies. It covers material received from June through October 1975. The main selection criteria are studies of small-scale variation in ocean parameters and of airborne techniques for deducing internal wave conditions.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A016 589 8/3 8/10 8/7 8/1

WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

Bibliography of Technical Reports - 1974,

(U)

JAN 75 16P Fuglister, Cecelia B. ;

REPT. NO. WHOI-74-105

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated Jan 74, AD-782 998.

DESCRIPTORS: *Oceanographic data, *Bibliographies, Ocean currents, Marine geophysics, Marine geology, Underwater sound, Ocean bottom topography, Marine biology, Sediments

IDENTIFIERS: Most project-2

(U)

(U)

The bibliography lists all Technical Reports prepared by the Woods Hole Oceanographic Institution in the year 1974. It includes an author index, and also a key relating Reports to 'Contribution Numbers'.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A015 653 8/3 20/4
INFORMATICS INC ROCKVILLE MDSoviet Material on Internal Wave Effects,
No. 4, September 1975.SEP 75 147P Hibben, Stuart G. ;Kourilo,
John ;Shrestha, B. L. ;Ness, M. ;
CONTRACT: MDA903-76-C-0099, DARPA Order-3097

(U)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated Apr 75, AD-
A007 913.DESCRIPTORS: *Ocean waves, *Internal waves,
*Bibliographies, Abstracts, USSR

(U)

This is the fourth collection of abstracts of recent Soviet articles on generation and detection of internal waves. It is based on items listed in the fourth Bibliography of Soviet Material on Internal Waves, published June 6, 1975 and covers material received from January through May 1975. The abstracts are divided into internal effects, and surface effects comprising active and passive measurement of wave states.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A010 858 8/3
INFORMATICS INC ROCKVILLE MDBibliography of Soviet Material on Internal
Waves, Number 4, January-May 1975,

(U)

JUN 75 22P Hibben, Stuart G. ;Boylan,
L. H. ;Ness, M. ;
CONTRACT: N00600-75-C-0018, DARPA Order-2790

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated 27 Jan 75,
AD/A005 565.

DESCRIPTORS: *Ocean waves, *Internal waves,
*Bibliographies, Turbulent flow, Heat transfer,
Acoustics, Detectors, Boundary layer,
Incompressible flow, Thermoclines, Ocean surface,
Underwater sound, Gravity waves, USSR

(U)

This is the fourth bibliography of Soviet open-source publications relating to internal wave studies. It covers material received from January through May 1975. Main selection criteria are studies of small-scale variation in ocean parameters and of airborne techniques for deducing internal wave conditions. An index of serial source abbreviations is appended.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A007 913 8/3 20/
INFORMATICS INC ROCKVILLE MDSoviet Material on Internal Wave Effects,
No. 3, April 1975,

(U)

APR 75 131P Hibben, Stuart G. ; Kourilo,
John ; Shresta, B. L. ; Ness, M. ;
CONTRACT: N00600-75-C-0018, DARPA Order-2790

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also No. 2, AD-787 005.

DESCRIPTORS: *Ocean waves, *Internal waves,
*Bibliographies, Abstracts, USSR

(U)

This is the third collection of abstracts of recent Soviet articles on generation and detection of internal waves. It is based on items listed in the third Bibliography of Soviet Material on Internal Waves, published January 27, 1975 and covering material received from April through December, 1974. The abstracts are divided into internal effects, and surface effects comprising active and passive measurement of wave states. An author index is appended.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A007 423 8/10 8/1 13/2
NATIONAL MARINE FISHERIES SERVICE PANAMA CITY FLA PANAMA
CITY LABPhysical, Chemical, and Biological
Characteristics of Nearshore Zone of Sand
Key, Florida, Prior to Beach Restoration.
Volume 2,

(U)

JUN 74 560P Saloman, Carl H. ;

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Sponsored in part by Coastal
Engineering Research Center, Fort Belvoir, Va.
See also Volume 1, AD-A007 422.

DESCRIPTORS: *Oceanographic data, *Marine biology,
*Coastal regions, Florida, Beach erosion,
Invertebrates, Abundance, Classification,
Aquatic animals, Sampling, Tables(Data),
Sediments, Water quality, Turbidity,
Bibliographies

(U)

IDENTIFIERS: Sand Key Island, Treasure
Island, Coastal engineering, *Beach nourishment,
*Biological productivity, Dredging

(U)

The study defines some of the major physical,
chemical, and biological characteristics of the
nearshore zone off Sand Key, Florida before
restoration by dredging. Results of a supplemental
study on the effects of hydraulic dredging for
emergency restoration of Sunset Beach on
Treasure Island, Florida are included. An
extensive bibliography is also presented. Included
also is data on benthic invertebrates.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A007 105 8/12

COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H

Bibliography on Cold Regions Science and Technology, Volume XXVIII, Part 2.

(U)

JUL 74 349P

REPT. NO. CRREL-12-28-2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Part 1, AD/A-007 092.

DESCRIPTORS: *Cold regions, *Polar regions, *Bibliographies, Indexes, Permafrost, Soil mechanics, Construction materials, Sea ice, Pavements, Snow, Ground water, Seismic reflection, Avalanches, Thermal conductivity, Maintenance

IDENTIFIERS: Frozen soils

(U)
(U)

This is a comparison issue to CRREL Report 12, Vol. XXVIII, Pt. 1. The latter contains the full bibliographic citations referred to in the author and subject indexes included in this issue. In the author index principal and joint personal and corporate authors are listed along with the title, date, pagination, and language of the document and the accession number. The subject index is composed of three basic elements: (1) terms taken from a controlled vocabulary based on the Thesaurus of Engineering and Scientific Terms (LEX-EJC), (2) free terms added as needed, (3) geographic names, generally entered under countries. The terms are listed in a single alphabetical arrangement, along with title (original, translated, abridged, expanded, or supplied), principal author, date, pagination, and language of pertinent documents, and their accession numbers.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A007 092 8/12

COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H

Bibliography on Cold Regions Science and Technology, Volume XXVIII, Part 1.

(U)

JUL 74 307P

REPT. NO. CRREL-12-28-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Volume 27, Part 2, AD-768 100 and Volume 28, Part 2, AD/A-007 105.

DESCRIPTORS: *Cold regions, *Polar regions, *Bibliographies, Indexes, Permafrost, Cold weather tests, Construction, Soil mechanics, Pipes, Construction materials, Snow, Foundations(Structures), Trafficability, Sea ice, Melting, Thermal conductivity

IDENTIFIERS: Frozen soils

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The present volume contains material accessioned between July 1973 and June 1974. The volume consists of two parts, each separately bound. Pt. 1 contains the full citation of 4312 items, in many cases with abstracts.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-A005 565 8/3
INFORMATICS 1-C ROCKVILLE MD

Bibliography of Soviet Material on Internal Waves. April - December 1974,

JAN 75 30P Hibben, Stuart G.; Boylan,

Lee H.;

CONTRACT: N00600-75-C-0018, DARPA Order-2790

UNCLASSIFIED REPORT

DESCRIPTORS: *Ocean waves, *Internal waves, *Bibliographies, Turbulent flow, Detectors, Acoustics, Incompressible flow, Thermoclines, Ocean surface, Hydrodynamics, Gravity waves, USSR

(U)

The report is the third bibliography of Soviet open-source publications relating to internal wave studies. It covers material received from May through December 1974. Main selection criteria are studies of small-scale variation in ocean parameters and of airborne techniques for deducing internal wave conditions. An index of serial source abbreviations is appended.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD-880 875 8/1
OFFICE OF NAVAL RESEARCH ARLINGTON VA

Progress Report Abstracts. Oceanic Biology.

(U)

AUG 70 60P
REPT. NO. ONR-DR-168

UNCLASSIFIED REPORT

DESCRIPTORS: (*MARINE BIOLOGY, ABSTRACTS), (*BIBLIOGRAPHIES, MARINE BIOLOGY), REVIEWS, AQUATIC ANIMALS, CETACEA, UNDERWATER SOUND, DEGRADATION, BARNACLES, FOULING, FISHES, REPTILES, ECOLOGY, BEHAVIOR, SENSES(PHYSIOLOGY), PHYSIOLOGY, ECHO RANGING

(U)

Contents include: Bioacoustics; Biodeterioration; Noxious marine animals; and Marine ecology.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 872 187 8/10 5/2
NAVAL OCEANOGRAPHIC OFFICE WASHINGTON D C

A Bibliography of Reports, Articles, and Data
References Resulting from Scientific
Operations Aboard the Navy Pool (T-AGOR)
Ships: 1963 Through 1969.

(U)

DESCRIPTIVE NOTE: Informal rept.,

APR 70 45P Tidrick, Dale E. ; Morris,

Robert E. ;

REPT. NO. N00-IR-70-25

UNCLASSIFIED REPORT

DESCRIPTORS: (*OCEANOGRAPHY, *BIBLIOGRAPHIES), DATA
PROCESSING, REPORTS, OCEANOGRAPHIC SHIPS,
BATHY THERMOGRAPH DATA
IDENTIFIERS: AGOR 4 VESSEL

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This report has compiled the titles of the reports,
articles and papers about data collected aboard the
Navy Pool (T-AGOR) ships. Data which have
been inserted into the National Oceanographic
Data Center, the Department of Defense
Bathymetry Library, and the Department of
Defense Magnetism Library have also been
listed. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 871 450 8/10 8/1 8/3 8/7
NAVAL OCEANOGRAPHIC OFFICE WASHINGTON D C

A Guide to the Technical Literature of
Oceanography; An Annotated Bibliography.

(U)

DESCRIPTIVE NOTE: Informal rept.,

MAY 70 75P DeCarre, Suzanne E. ;

REPT. NO. N00-IR-70-34

UNCLASSIFIED REPORT

DESCRIPTORS: (*OCEANOGRAPHY, *BIBLIOGRAPHIES),
OCEANOGRAPHIC DATA, MARINE BIOLOGY, MARINE METEOROLOGY,
MARINE ENGINEERING, MARINE GEOLOGY, PHYSICAL PROPERTIES,
SEA WATER, CHEMICAL PROPERTIES, REVIEWS, HANDBOOKS,
PERIODICALS
IDENTIFIERS: *ANNOTATED BIBLIOGRAPHIES

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A bibliography of technical oceanographic
literature covering the fields of general
oceanography, marine biology, marine meteorology,
ocean engineering, chemical oceanography, marine
geology, and physical oceanography has been compiled
and annotated. An attempt has been made to present
a representative guide to both the classic literature
of oceanography and a selective coverage of the most
recent publications in the field. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 864 442 8/10
SCRIPPS INSTITUTION OF OCEANOGRAPHY LA JOLLA CALIF

Bibliography of Reports Based on
Bathymograph Temperature Data, (U)

AUG 69 110P Robinson, Margaret K. ;
Drollinger, Edythe M. ;
REPT. NO. SIO-Ref-69-16
CONTRACT: Nonr-2216(23)

UNCLASSIFIED REPORT

DESCRIPTORS: (*BATHYTHERMOGRAPH DATA, *BIBLIOGRAPHIES),
TEMPERATURE, DEPTH FINDING, UNDERWATER SOUND, WEATHER
FORECASTING, GREAT LAKES, OCEAN CURRENTS, SALINITY,
THERMOCLINES, ATLANTIC OCEAN, PACIFIC OCEAN (U)

The bibliography contains articles based on
analyses of bathymographs. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 856 060 8/10 5/2
SCRIPPS INSTITUTION OF OCEANOGRAPHY LA JOLLA CALIF

Bibliography of the SIO Reference Series, 1945
- 1968. (U)

JUL 69 74P
REPT. NO. SIO-Ref-69-13

UNCLASSIFIED REPORT

DESCRIPTORS: (*OCEANOGRAPHY, *BIBLIOGRAPHIES), OCEAN
WAVES, OCEANOGRAPHIC EQUIPMENT, OCEAN CURRENTS, OCEAN
BOTTOM, UNDERWATER SOUND, SEA WATER, MARINE METEOROLOGY,
MARINE BIOLOGY, OCEANOGRAPHIC SHIPS, OCEANOGRAPHIC
DATA (U)

This report contains a numerical listing of all
reports in the SIO Reference Number Series
issued from 1945 to 1968. An author index is
included. The Reference Series, for the most
part, is used for In House publications
(Contract reports, data reports etc.). AD
numbers are included with the citations. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 848 874 8/7 8/11
NAVAL OCEANOGRAPHIC OFFICE WASHINGTON D C

A Selected Bibliography of Geology and
Geophysics for the Gulf of Mexico.

DESCRIPTIVE NOTE: Informal rept.,
SEP 68 25P Ensminger, Henry R. ;Monton,
William T. ;
REPT. NO. N00-IR-68-89

(U)

UNCLASSIFIED REPORT

DESCRIPTORS: (*STRUCTURAL GEOLOGY, BIBLIOGRAPHIES),
(*GEOPHYSICS, MEXICO GULF), SEDIMENTATION, MINERALS,
STRATIGRAPHY, PALEONTOLOGY, TERRAIN, PETROLOGY,
SEISMOLOGY, PETROGRAPHY, MAGNETIC FIELDS, GRAVITY,
MARINE GEOLOGY, CONTINENTAL SHELVES, COASTAL REGIONS,
BEACHES

(U)

The selected bibliography is a product of an
extensive literature search. The preponderance of
the references selected have been published since
1950. The publications deal principally with the
Marine Environment, however, a number of them
apply to Terrestrial Geology and Geophysics
peripheral to the Gulf. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 787 005 8/3 20/4
INFORMATICS INC ROCKVILLE MD

Soviet Material on Internal Wave Effects,
No. 2, October 1974.

(U)

DESCRIPTIVE NOTE: Scientific interim rept.,
OCT 74 130P Hibben, Stuart G. ;Kourillo,
John ;Shresta, B. L. ;Ness, M. ;
CONTRACT: N00600-75-C-0018, DARPA Order-2790

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also AD-779 931.

DESCRIPTORS: *Ocean waves, *Internal waves,
*Bibliographies, Abstracts, USSR

(U)

The report is the second collection of abstracts of
recent Soviet articles on generation and detection
of internal waves. It is based on items listed in
the second Bibliography of Soviet Material on
Internal Waves, published June 17, 1974 and
covering material received in the first quarter of
1974. The abstracts are divided into internal
effects, and surface effects comprising active and
passive measurement of wave states. An author
index is appended. (Modified author
abstract)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 80MOB

AD- 782 998 8/1 8/3 8/10 17/1
WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

Bibliography of Technical Reports - 1973, (U)

JAN 74 16P Fuglister, Cecelia B. ;
Simmons, Nancy S. ;
REPT. NO. WHOI-73-93

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated Jan 72, AD-
782 993 and PB-221 079.

DESCRIPTORS: *Oceanographic data, *Bibliographies,
Marine geology, Marine biology, Sediments, Ocean
currents, Ocean bottom topography, Underwater sound,
Algae (U)

The bibliography contains 93 references to
investigations conducted at Woods Hole
Oceanographic Institution, Massachusetts during
1973 in various areas of oceanography. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 80MOB

AD- 782 993 8/1 8/3 8/10 17/1
WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

Bibliography of Technical Reports - 1971, (U)

JAN 72 16P Fuglister, Cecilia B. ;
REPT. NO. WHOI-71-78

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated Jan 71, AD-
722 598 and PB-221 079.

DESCRIPTORS: *Oceanographic data, *Bibliographies,
Ocean currents, Marine geophysics, Sea water,
Ocean bottom topography, Underwater sound, Marine
biology, Chemical properties, Geomagnetism (U)

The bibliography contains 78 references to research
investigations conducted at Woods Hole
Oceanographic Institution, Massachusetts during
1971 in various areas of oceanography. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. B0MOB

AD- 782 018 8/3
INFORMATICS INC ROCKVILLE MD

Bibliography of Soviet Material on Internal Waves, January-March 1974, (U)

JUN 74 32P Hibben, Stuart G. ;
CONTRACT: F44620-72-C-0053, ARPA Order-1622-4
MONITOR: AFOSR TR-74-0968

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated Dec 73, AD-776 067.

DESCRIPTORS: *Ocean waves, *Internal waves,
*Bibliographies, Turbulent flow, USSR (U)

The report is the second bibliography of Soviet publications relating to internal wave problems, retrieved during the first quarter of 1974. The main selection criteria are studies of small-scale variations in ocean parameters, and of airborne techniques for detecting internal wave conditions. A few older references are included for interest. (Author) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. B0MOB

AD- 779 931 8/3 20/4
INFORMATICS INC ROCKVILLE MD

Soviet Material on Internal Wave Effects. (U)

DESCRIPTIVE NOTE: Interim rept.,
APR 74 84P Hibben, Stuart G. ;
CONTRACT: F44620-72-C-0053, ARPA Order-1622
MONITOR: AFOSR TR-74-0795

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated 31 Jan 74, AD-776 067.

DESCRIPTORS: *Ocean waves, *Internal waves,
*Bibliographies, USSR (U)

The report is a collection of abstracts of recent Soviet articles on generation and detection of internal waves. It is based mainly on items listed in the January 31, 1974 Bibliography of Soviet Material on Internal Waves which were indicated as being of potential interest. The abstracts are divided into internal effects, and surface effects comprising active and passive measurement of wave states. (Modified author abstract) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 779 296 8/1 8/3 8/10
 SCRIPPS INSTITUTION OF OCEANOGRAPHY LA JOLLA CALIF
 Ocean Studies. (U)

DESCRIPTIVE NOTE: Final rept. 1963-1973.

APR 74 53P
 REPT. NO. SIO-Ref-74-14
 CONTRACT: N00014-69-A-0200-6006

UNCLASSIFIED REPORT

DESCRIPTORS: *Oceanographic data, *Bibliographies,
 Circulation, Surface temperature, Ocean currents,
 Plankton, Sediments, Ocean waves, Marine
 geology, Air water interactions, Marine
 geophysics (U)

The report includes a summary and bibliography of
 work done under contract in oceanography, from 1963
 to 1973 by the Scripps Institution located at
 La Jolla, CA. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 778 009 8/12 20/12
 COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H
 Cold Regions Science and Engineering
 Monograph 2, Section C2a: The Physics of
 Ice, (U)

APR 74 87P Glen, John W. ;
 REPT. NO. CRREL-CRSE-2-C2a
 PROJ: DA-1-T-062112-A-130
 TASK: 1-T-062112-A-13001

UNCLASSIFIED REPORT

DESCRIPTORS: *Ice, Books, Bibliographies,
 Crystal growth, Defects (Materials), Electrical
 properties, Thermal properties, Optical properties,
 Surface properties (U)

The monograph summarizes existing knowledge of the
 physics of ice. It covers the crystalline structure
 of ice including defects in structure,
 polycrystalline ice and grain boundaries, electrical
 properties of ice, thermal properties of ice,
 propagation of electromagnetic waves in ice and
 optical properties of ice, nucleation and growth of
 ice crystals, melting and evaporation of ice, and
 surface properties of ice. It also includes a
 comprehensive bibliography. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 776 067 8/3
INFORMATICS INC ROCKVILLE MDBibliography of Soviet Material on Internal
Waves - October-December 1973.JAN 74 19P Hibben-Stuart G. ;
CONTRACT: F44620-72-C-0053, ARPA Order-1622
MONITOR: AFOSR TR-74-0359

(U)

UNCLASSIFIED REPORT

DESCRIPTORS: *Ocean waves, *Internal waves,
*Bibliographies, USSR

(U)

The paper contains a preliminary bibliography of
Soviet material relating to internal wave problems.
(Modified author abstract)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 772 445 8/5 8/2
ARMY FOREIGN SCIENCE AND TECHNOLOGY CENTER CHARLOTTESVILLE
VAAlphabetical Listing of Articles Published in
Geodeziya i Kartografiya in 1971.

(U)

DEC 73 31P
REPT. NO. FSTC-HT-23-1860-72

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Trans. of Geodeziya i Kartografiya
(USSR) n12 p72-77 1971.DESCRIPTORS: *Geodesy, *Mapping, *Surveying,
*Bibliographies, Translations, USSR

(U)

Alphabetical Listing of Articles Published in
Geodeziya i Kartografiya in 1971--Translation.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 772 129 8/3 4/1
ALASKA UNIV COLLEGE INST OF MARINE SCIENCE

Internal Gravity Waves in the Ocean:
Bibliography and Keyword Index.

DESCRIPTIVE NOTE: Final rept. Dec 71-Nov 72,

AUG 73 432P Roberts, Jo ;

REPT. NO. IMS-R73-4

CONTRACT: N00014-67-A-0317-0002

PROJ: NR-083-199

(U)

UNCLASSIFIED REPORT

DESCRIPTORS: *Ocean waves, *Gravity waves,
*Internal waves, *Bibliographies, Microbarometric
waves, Laboratories, Air water interactions

(U)

The report contains an extensive bibliography of
references to internal gravity waves in the ocean,
the atmosphere, and the laboratory, as well as some
recent references to microstructure and turbulence.
All references have been keyworded. (Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 770 451 8/10 8/3 8/1
OFFICE OF NAVAL RESEARCH ARLINGTON VA

Report Availability Notice, Fall 1973,

(U)

73 227P Kielhorn, William V. ;

REPT. NO. ONR-ACR-195

UNCLASSIFIED REPORT

DESCRIPTORS: *Oceanography, *Bibliographies,
Abstracts, Marine biology, Marine geology,
Marine geophysics, Oceanographic equipment

(U)

This is one of a series of reports consisting of
abstracts of recent technical reports in various
areas of oceanography generated by contractors
sponsored by the Ocean Science and Technology
Division of the Office of Naval Research.
(Modified author abstract)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
AD- 768 688 8/1
INSTITUTE FOR MARINE ENVIRONMENTAL RESEARCH EDINBURGH
(SCOTLAND) OCEANOGRAPHIC LAB

Continuous Plankton Records: A Plankton
Atlas of the North Atlantic and the North
Sea.

FEB 73 193P

(U)

UNCLASSIFIED REPORT

Availability: Pub. in Bulletins of Marine
Ecology, v7 p1-174 Feb 73. paper copy available from
Oceanographic Laboratory, Institute for Marine
Environmental Research, 78 Graighall Road,
Edinburgh EH6 4RQ, Scotland. PC: L2.75.

DESCRIPTORS: (*MARINE BIOLOGY, REPORTS), BIBLIOGRAPHIES,
PLANKTON, INVERTEBRATES, ALGAE, MOLLUSCA, ARTHROPODA,
SAMPLING, MAPS, INDEXES, DISTRIBUTION, NORTH SEA,
ATLANTIC OCEAN, GREAT BRITAIN

(U)

Contents: Sir Alister Hardy:
Bibliography of the continuous plankton recorder
1926-1971: Continuous plankton records: A
plankton atlas of the North Atlantic and the
North Sea.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
AD- 768 100 8/12
COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H
Bibliography on Cold Regions Science and
Technology. Volume XXVII. Part 2.

(U)

JUL 73 228P
REPT. NO. CRREL-12-27-2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Part 1, AD-768 099.

DESCRIPTORS: (*POLAR REGIONS, *BIBLIOGRAPHIES), INDEXES,
ICE, PERMAFROST, SNOW, CONSTRUCTION, PIPES, CONSTRUCTION
MATERIALS, SOIL MECHANICS, FOUNDATIONS(STRUCTURES),
GLACIERS, FREEZING, SEA ICE, MELTING, THERMAL
CONDUCTIVITY
IDENTIFIERS: FREEZING, SOILS

(U)

(U)

The report, part two of a two part series, contains
the author and subject indexes.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 768 099 8/12

COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H

Bibliography on Cold Regions Science and Technology. Volume XXVII. Part 1.

(U)

JUL 73 222P

REPT. NO. CRREL-12-27-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also AD-752 084 and Part 2, AD-768 100.

DESCRIPTORS: (*POLAR REGIONS, *BIBLIOGRAPHIES),
 ABSTRACTS, ICE, PERMAFROST, PIPES, CONSTRUCTION, SNOW,
 HAIL, FROST HEAVE, SEA ICE, FREEZING, METALS, GLACIERS,
 MELTING, SOIL MECHANICS, FOUNDATIONS(STRUCTURES),
 TRAFFICABILITY (U)
 IDENTIFIERS: TUNDRA (U)

The Bibliography on Cold Regions Science and Technology, CRREL Report 12, was first published in 1951 and is a continuing publication of the Cold Regions Bibliography Project in the Science and Technology Division of the Library of Congress. It is sponsored by and prepared for the Cold Regions Research and Engineering Laboratory (formerly Snow, Ice and Permafrost Research Establishment) of the U.S. Army Corps of Engineers. The present volume contains material accessioned between July 1972 and June 1973. The volume consists of two parts, each separately bound. Pt. 1 contains the full citation of 3104 items, in many cases with abstracts. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 766 720 8/6 13/2

ARMY COASTAL ENGINEERING RESEARCH CENTER WASHINGTON D C

An Annotated Bibliography of Aerial Remote Sensing in Coastal Engineering.

(U)

MAY 73 131P

Richard O. Goldstein, Harris M. ;
 MAY 73 131P Stafford, Donald B. ; Bruno,

REPT. NO. CERC-Misc Paper-2-73

UNCLASSIFIED REPORT

DESCRIPTORS: (*SEACOASTS, AERIAL PHOTOGRAPHY),
 BIBLIOGRAPHIES, INFRARED PHOTOGRAPHY, COLOR PHOTOGRAPHY,
 MULTIBAND SPECTRAL RECONNAISSANCE, PHOTOGRAMMETRY, RADAR
 IMAGES, OCEAN CURRENTS, OCEAN WAVES, WATER POLLUTION,
 TERRAIN, EROSION, EROSION, RIVERS, ESTUARIES (U)
 IDENTIFIERS: COASTAL ENGINEERING, *COASTS, *REMOTE
 SENSING, SPACEBORNE PHOTOGRAPHY, INFRARED DETECTION (U)

A bibliography is presented of representative literature covering the applications of aerial remote sensing techniques to coastal engineering. About 200 references published since 1934 are presented. Annotations accompany each bibliographic entry and are a concise and informative summary of the references describing the characteristics of each remote sensor in coastal engineering investigations. Computer indexes of authora, titles and keywords are included. (Author) Portions of this document are not fully legible. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 766 200 8/10
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Oceanography.

(U)

DESCRIPTIVE NOTE: Report bibliography Jan 69-Apr 73.
AUG 73 405P

REPT. NO. DDC-TAS-73-55

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also AD-689 700.

DESCRIPTORS: (*OCEANOGRAPHY, *BIBLIOGRAPHIES), MARINE GEOLOGY, MARINE GEOPHYSICS, MARINE METEOROLOGY, OCEAN CURRENTS, OCEAN WAVES, TIDES, SEA WATER, SEA ICE, MARINE BIOLOGY, OCEAN BOTTOM, OCEAN BOTTOM TOPOGRAPHY (U)

The bibliography is a selection of unclassified-unlimited distribution references on Oceanography. These citations of reports present information on marine life, ocean waves, tides, currents, properties of sea water and ice, ocean-bottom topography, and composition. Corporate Author-Monitoring Agency, Subject, Title, and Personal Author Indexes are included. (Author)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 763 883 8/8
COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H

The Water Balance in Arctic and Subarctic Regions. Annotated Bibliography and Preliminary Assessment.

(U)

DESCRIPTIVE NOTE: Special rept.,
JUN 73 137P Dingman, S. Lawrence ;

REPT. NO. CRREL-SR-187

PROJ: DA-4-A-062112-A-894

TASK: 4-A-062112-A-89402

UNCLASSIFIED REPORT

DESCRIPTORS: (*HYDROLOGY, *ARCTIC REGIONS), ATMOSPHERIC PRECIPITATION, EVAPOTRANSPIRATION, GLACIERS, EUROPE, USSR, ALASKA, CANADA, GREENLAND, ICELAND, ARCTIC OCEAN, BIBLIOGRAPHIES (U)
IDENTIFIERS: GROUND WATER, *HYDROLOGIC CYCLE, STREAM FLOW, SURFACE WATER RUNOFF (U)

The hydrological cycle plays a central role in geobiological and near-surface geological processes and in the energy balance of the earth. It is of crucial importance to many vital practical problems relative to man and his environment. This is especially true in arctic and subarctic regions, where knowledge of hydrologic processes is particularly limited. The introductory section of this report discusses the global hydrologic cycle and summarizes current estimates of the quantities of water involved in various portions of it.

Following this, the definitions and boundaries of the arctic and subarctic are reviewed; a map showing these boundaries and annotations of a number of publications dealing with this problem are also presented. The main part of the report gives several hundred annotations of reports that directly discuss elements of the water balance in arctic and subarctic regions. These annotations are grouped by geographic area: the Northern Hemisphere, Europe, the U.S.S.R., Alaska, Canada, and Greenland and Iceland. For each area, annotations are presented according to water-balance elements: precipitation, evapotranspiration, runoff, streamflow, groundwater contributions to runoff, and changes in glacial storage. (Modified author abstract)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 763 227 8/1 13/2
MARYLAND UNIV SOLOMONS NATURAL RESOURCES INSTThe Effects of Suspended and Deposited
Sediments on Estuarine Organisms. An
Annotated Bibliography of Selected
References.APR 70 71P SHERK, J. ALBERT, JR.;
Cronin, L. Eugene;
REPT. NO. NRI-Ref-70-19
CONTRACT: DACW73-70-C-0013

UNCLASSIFIED REPORT

DESCRIPTORS: (*WATER POLLUTION, *ESTUARIES),
(*SEDIMENTATION, ESTUARIES), AQUATIC ANIMALS, UNDERWATER
EQUIPMENT, BIBLIOGRAPHIES, SOLIDS, ECOLOGY, MARINE
BIOLOGY (U)
IDENTIFIERS: *WATER POLLUTION EFFECTS (ANIMALS), WATER,
PRIMARY BIOLOGICAL PRODUCTIVITY, SOLID WASTE DISPOSAL,
SPOIL, *SUSPENDED SEDIMENTS, DREDGING (U)

Interest in the effects of suspended loads and deposited sediments on estuarine organisms has been accelerated by the present need to establish water quality criteria and standards on a national scale and by a wide variety of coastal engineering projects which involve temporary or enduring changes in the suspended loads and deposition of sediments in rivers, bays, sounds, channels, or coastal areas. Estuarine sites selected for projects are often inhabited by unusually important biotic communities which become centers of conflict among navigational, recreational, commercial fisheries, conservation, and municipal interests. This set of abstracts and summaries of pertinent reports has been prepared to assist in the evaluation of probable effects of suspended and deposited sediments.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 762 366 8/12
ARCTIC INST OF NORTH AMERICA MONTREAL (QUEBEC)

Studies in Extreme Regions.

(U)

DESCRIPTIVE NOTE: Rept. no. (Final) Jan 69-Dec 72,
JUN 73 4P Martna, Maret H.;
CONTRACT: DAHC04-69-C-0038
MONITOR: AROD 8337:1-EN

UNCLASSIFIED REPORT

DESCRIPTORS: (*ARCTIC REGIONS, SCIENTIFIC RESEARCH),
REVIEWS, BIBLIOGRAPHIES, CANADA (U)

The report gives a brief overview of the history of the development and the current state of the 'Arctic Bibliography'.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
 AD- 760 632 8/6
 HARVARD UNIV CAMBRIDGE MASS LAB FOR COMPUTER GRAPHICS AND
 SPATIAL ANALYSIS

Geography and the Properties of Surfaces. (U)

DESCRIPTIVE NOTE: Final technical rept.,
 MAY 73 20P Woldenberg, Michael ;
 REPT. NO. TR-48-ONR
 CONTRACT: N00014-67-A-0298-0004
 PROJ: NR-389-147

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Report on Harvard Papers in
 Theoretical Geography. Supersedes report dated 14
 Jun 72, AD-749 377.
 DESCRIPTORS: (*GEOGRAPHY, SURFACES). BIBLIOGRAPHIES,
 TERRAIN, GLACIERS, RIVERS, MAPPING, GEODESICS, GRAPHICS,
 TRANSFORMATIONS(MATHEMATICS) (U)

The final technical report, is an annotated
 bibliography of work conducted mainly under
 Contract No. N00014-67A-0298-0004 at the
 Laboratory for Computer Graphics and Spatial
 Analysis, Graduate School of Design,
 Harvard University. The papers are comprised
 of purely theoretical investigations on the one hand,
 usually dealing with geometry and topology, and other
 investigations which attempt to develop spatial
 theory from empirical data. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
 AD- 758 736 8/10 8/3
 SACLANT ASW RESEARCH CENTRE LA SPEZIA (ITALY)

Oceanography of the Norwegian and Greenland
 Seas and Adjacent Areas. Volume 1:
 Bibliography. (U)

DESCRIPTIVE NOTE: Memorandum rept.,
 FEB 73 182P Trangeled, Svend ;
 REPT. NO. SACLANICEN-SM-4

UNCLASSIFIED REPORT

DESCRIPTORS: (*GREENLAND SEA, OCEANOGRAPHY), (*NORWEGIAN
 SEA, OCEANOGRAPHY), (*OCEANOGRAPHY, *BIBLIOGRAPHIES),
 MARINE BIOLOGY, OCEAN BOTTOM TOPOGRAPHY, MARINE
 GEOPHYSICS, MARINE GEOLOGY, GEOMAGNETISM, OCEAN
 CURRENTS, SEA ICE, CLIMATE (U)
 IDENTIFIERS: *BARENTS SEA, *DENMARK STRAIT (U)

The report is part of a series describing the
 results of a survey of the scientific literature
 relevant to the physical oceanography, including
 marine geology, of the Norwegian and Greenland
 Seas and adjacent areas. The area, is
 essentially the marine area between latitudes 60
 degrees and 80 degrees N, limited to the west by
 the east coast of Greenland and to the east by the
 west and north coasts of Norway, the Kola
 Peninsula and the west coast of Novaya Zemlya.
 In the north it adjoins the North Polar Sea
 and in the south the North Sea and the North
 Atlantic Ocean. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 752 084 8/12
COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H

Bibliography on Cold Regions Science and Technology, Volume XXVI, Part 2. (U)

SEP 72 305P
REPT. NO. CRREL-12-26-2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also AD-752 083.

DESCRIPTORS: (*POLAR REGIONS, *BIBLIOGRAPHIES),
ABSTRACTS, ICE, PERMAFROST, PIPES, CONSTRUCTION, SNOW, (U)
INDEXES, GLACIERS, FREEZING, SEA ICE (U)
IDENTIFIERS: TUNDRA (U)

The report is a companion issue to CRREL Report 12, Vol. XXVI, pt. 1. The latter contains the full bibliographic citations referred to in the author and subject indexes included in this issue. (U)
(Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 752 083 8/12
COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H

Bibliography on Cold Regions Science and Technology, Volume XXVI, Part 1. (U)

SEP 72 278P
REPT. NO. CRREL-12-26-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated Jul 71, AD-740 202, and Volume 26, Part 2, AD-752 084.

DESCRIPTORS: (*POLAR REGIONS, *BIBLIOGRAPHIES),
ABSTRACTS, ICE, PERMAFROST, PIPES, CONSTRUCTION, SNOW, (U)
INDEXES, GLACIERS, FREEZING, SEA ICE (U)
IDENTIFIERS: TUNDRA (U)

The Bibliograph on cold Regions Science and Technology, CRREL Report 12, was first published in 1951 and is a continuing publication of the Cold Regions Bibliography Project in the Science and Technology Division of the Library of Congress. It is sponsored by and prepared for the Cold Regions Research and Engineering Laboratory (formerly Snow, Ice and Permafrost Research Establishment) of the U.S. Army Corps of Engineers. The present volume contains material accessioned between July 1971 and June 1972. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 744 479 8/6

CLEWSON UNIV - C DEPT OF CIVIL ENGINEERING

A State of the Art Survey of the Applications
of Aerial Remote Sensing to Coastal
Engineering.

(U)

MAY 72 195P Stafford, Donald B. ;
CONTRACT: DACW72-70-C-0034

UNCLASSIFIED REPORT

DESCRIPTORS: (*NATURAL RESOURCES, AERIAL
RECONNAISSANCE), STATE-OF-THE-ART REVIEWS, AERIAL
PHOTOGRAPHY, COLOR PHOTOGRAPHY, INFRARED PHOTOGRAPHY,
PHOTOGRAMMETRY, MULTIBAND SPECTRAL RECONNAISSANCE,
SPACEBORNE, COASTAL REGIONS, RADAR IMAGES, LASERS,
METEOROLOGICAL SATELLITES, RADIOMETERS, FLUORIMETERS,
BIBLIOGRAPHIES, ABSTRACTS (U)
IDENTIFIERS: *COASTAL ENGINEERING, *REMOTE SENSING, (U)
SPACEBORNE PHOTOGRAPHY (U)

The report presents the results of a comprehensive survey of the applications of aerial remote sensing techniques in the field of coastal engineering. Part 1 presents a narrative summary of the state of the art of coastal engineering applications of aerial remote sensors. Existing and potential applications of the techniques are described. Important characteristics of the various aerial remote sensors and the limitations of the techniques in coastal engineering applications are discussed. The primary aerial remote sensors considered are black and white, black and white infrared, color, and color infrared aerial photographs, satellite photographs, infrared imagery, multispectral imagery, and radar imagery. Part 2 is an annotated bibliography describing the coastal engineering applications of aerial remote sensing techniques. This is a representative compilation of literature written over the past 30 years. A variety of coastal engineering applications of aerial remote sensors are described. Approximately 200 references are listed in the annotated bibliography. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 744 001 8/7

RHODE ISLAND UNIV KINGSTON DEPT OF GEOLOGY

Coastal Geology Bibliography of New
England: A Punch Card System.

(U)

DESCRIPTIVE NOTE: Final rept.,
MAY 72 137P Fisher, John J. ;
CONTRACT: DACW72-70-C-0019

UNCLASSIFIED REPORT

DESCRIPTORS: (*MARINE GEOLOGY, *BIBLIOGRAPHIES),
(*COASTAL REGIONS, MARINE GEOLOGY), SEDIMENTATION,
PETROLOGY, ENGINEERING GEOLOGY, OCEANOGRAPHIC DATA,
ECOLOGY, OCEAN WAVES, OCEAN CURRENTS, TIDES,
CONNECTICUT, RHODE ISLAND, MASSACHUSETTS, NEW HAMPSHIRE, (U)
MAINE, INDEXES (U)
IDENTIFIERS: BEACH EROSION, *COASTAL ENGINEERING, (U)
SEACOAST PROTECTION (U)

The bibliography is a cross-referenced index of coastal geologic studies of the New England coastal region. A marginal punch card bibliographic system devised for this project is discussed, and operational advantages for such a system for coastal reference studies of this type are outlined. Similar coastal geologic bibliographies both regional and topical in nature, are also reviewed. 750 references for the New England States are cross-indexed as to location and the following coastal geologic subjects: beaches, marine biology, changes of sea level, coasts, coastal engineering geology, offshore coastal geology, ecology, eolian sands, geology of coastal areas, sedimentation and waves, currents and tides. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 741 733 8/11
 MICHIGAN UNIV ANN ARBOR INST OF SCIENCE AND
 TECHNOLOGY

Report of VESAC: a Bibliography of
 Seismology for Project VELA.

(U)

DESCRIPTIVE NOTE: Final rept.

JUN 71 315P

REPT. NO. 78850-50-B-Vol-2

MONITOR: ARPA TIO-72-2-Vol-2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Volume 1, AD-741 732.

DESCRIPTORS: (*SEISMOLOGY, *BIBLIOGRAPHIES),
 SEISMOMETERS, DETECTION, UNDERGROUND EXPLOSIONS,
 SEISMOLOGICAL STATIONS, NUCLEAR EXPLOSIONS, EARTHQUAKES,
 NETWORKS, SIGNAL-TO-NOISE RATIO, CORRELATION TECHNIQUES,
 STRUCTURAL GEOLOGY, SOURCES, ABSTRACTS, MATHEMATICAL
 MODELS, MICROSEISMS, EPICENTERS, COMPUTER PROGRAMMING,
 DATA PROCESSING (U)
 IDENTIFIERS: ANNOUNCEMENT BULLETINS, SEISMIC NOISE,
 VELA UNIFORM (U)

The final edition of A Bibliography of
 Seismology for Project VELA lists authors and
 titles and gives abstracts for articles and reports
 on seismology and the detection of underground
 explosions. The list of authors and titles is
 arranged by areas of the VELA Uniform program of
 the Advanced Research Projects Agency.
 (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 741 732 8/11
 MICHIGAN UNIV ANN ARBOR INST OF SCIENCE AND
 TECHNOLOGY

Report of VESAC: a Bibliography of
 Seismology for Project VELA.

(U)

DESCRIPTIVE NOTE: Final rept.

JUN 71 333P

REPT. NO. 78850-50-B-Vol-1

MONITOR: ARPA TIO-72-2-Vol-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Volume 2, AD-741 733.

DESCRIPTORS: (*SEISMOLOGY, BIBLIOGRAPHIES),
 SEISMOMETERS, DETECTION, UNDERGROUND EXPLOSIONS,
 SEISMOLOGICAL STATIONS, NUCLEAR EXPLOSIONS, EARTHQUAKES,
 NETWORKS, REPORTS, INDEXES, ABSTRACTS (U)
 IDENTIFIERS: ANNOUNCEMENT BULLETINS, SEISMIC NOISE,
 VELA UNIFORM (U)

The final edition of A Bibliography of
 Seismology for Project VELA lists authors and
 titles and gives abstracts for articles and reports
 on seismology and the detection of underground
 explosions. The list of authors and titles is
 arranged by areas of the VELA Uniform program of
 the Advanced Research Projects Agency.
 (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 741 716 8/11
MICHIGAN UNIV ANN ARBOR INST OF SCIENCE AND
TECHNOLOGY

VELA UNIFORM Sponsored Research Publications in
Seismology. (U)

DESCRIPTIVE NOTE: Revision no. 9 (Final).

JAN 71 61P
REPT. NO. 78850-5-X-9
CONTRACT: DA-49-083-OSA-3137

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Report on project VESIA.
Supersedes AD-654 987.

DESCRIPTORS: (*SEISMOLOGY, BIBLIOGRAPHIES), SEISMIC
WAVES, TERRAIN, SEISMOLOGICAL STATIONS, DATA PROCESSING,
NUCLEAR EXPLOSIONS, MICROSEISMS, MATHEMATICAL MODELS,
STRUCTURAL GEOLOGY, THEOREMS, GEOPHYSICAL PROSPECTING,
OCEANOGRAPHIC EQUIPMENT, OCEAN BOTTOM, INDEXES (U)
IDENTIFIERS: VELA UNIFORM (U)

The bibliography, containing 836 entries, lists
VELA UNIFORM reports published in open literature.
The entries are grouped in subject categories and
are arranged alphabetically by author. (U)
(Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 739 745 8/6
ARCTIC INST OF NORTH AMERICA WASHINGTON D C

Arctic Bibliography. Volume 15. (U)

DESCRIPTIVE NOTE: Technical rept.,
71 1627P Martna, Maret H. ;

REPT. NO. AINA-TR-12
CONTRACT: N00014-70-A-0219-0001
PROJ: NR-307-105

UNCLASSIFIED REPORT

Availability: Paper copy available from Arctic
Institute of North America, 1619 New Hampshire
Avenue, N. W., Washington, D. C. 20009,
\$25.00.

SUPPLEMENTARY NOTE: Library of Congress catalog card no.
53-61783. See also Volume 14, AD-696 641.

DESCRIPTORS: (*ARCTIC REGIONS, BIBLIOGRAPHIES), REPORTS,
ABSTRACTS, CLIMATE, GEOLOGY, MINERALS, SEA ICE,
OCEANOGRAPHY, TRANSPORTATION, HARBORS, GEOGRAPHY,
GEOPHYSICS, CONSTRUCTION, ECOLOGY, COMMUNICATION
SYSTEMS, CIVIL ENGINEERING, AGRICULTURE, ECONOMICS,
SCIENTIFIC RESEARCH (U)

The present volume of Arctic Bibliography
summarizes and indexes 8299 publications making a
total of 101599 books and papers abstracted since the
beginning of the project. Mineral exploration and
development continues to be the most widespread and
intensive interest in the North and is so reflected
in the literature, with papers in the field of
geology and mineralogy the most numerous of all.
Transportation, a key factor in northern
development, is so represented in the literature on
air, and surface travel and freighting, and
transportation by pipeline. Formation and growth of
ice, its strength, impact on harbor installations,
power stations, etc., are described. (Author) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
AD- 739 531 8/1 13/2
NATIONAL MARINE FISHERIES SERVICE HIGHLANDS N J SANDY HOOK
LAB

The Effects of Waste Disposal in the New
York Bight. Section 9. Bibliography.

DESCRIPTIVE NOTE: Final rept.
FEB 72 47P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Section 8, AD-739
538.

DESCRIPTORS: (*WATER POLLUTION, *MARINE BIOLOGY),
(*OCEANS, WATER POLLUTION), *BIBLIOGRAPHIES, MARINE
BIOLOGY), ATLANTIC OCEAN, WASTES(INDUSTRIAL),
WASTES(SANITARY ENGINEERING), ECOLOGY, TOXICITY,
DISPOSAL (U)

IDENTIFIERS: WATER POLLUTION EFFECTS(PLANTS), WATER
POLLUTION EFFECTS(ANIMALS), WASTE DISPOSAL, *NEW YORK
BIGHT, *OCEAN WASTE DISPOSAL, BENTHOS, SLUDGE
DISPOSAL, SOLID WASTE DISPOSAL, SPOIL (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
AD- 735 884 8/6 8/10 8/7 8/1
WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

Bibliography of Scientific Literature on the
Black Sea. (U)

DESCRIPTIVE NOTE: Technical rept.,
AUG 70 281P Laking, Phyllis N. ;
REPT. NO. WHOI-Ref-70-32
CONTRACT: N00014-66-C-0241, NSF-GA-1659
PROJ: NR-083-004

UNCLASSIFIED REPORT

DESCRIPTORS: (*BLACK SEA, BIBLIOGRAPHIES), SCIENTIFIC
RESEARCH, OCEANOLOGY, MARINE GEOLOGY, GEOCHEMISTRY,
GEOGRAPHY, MARINE BIOLOGY, INDEXES (U)

The document is a compilation of scientific
literature on the Black Sea and its coasts. A
limited number of references deal with the Sea of
Azov, the Bosphorus, Caucasus, Mediterranean
Sea and inland areas. Most of the references are
Russian or Rumanian. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 735 775 8/7
ARMY ENGINEER WATERWAYS EXPERIMENT STATION VICKSBURG
MISS

Selected Geologic Literature, Lower
Mississippi Valley Division Area: Index
and Annotated Bibliography. Supplement 5. (U)

DESCRIPTIVE NOTE: Technical rept.,
DEC 71 107P Saucier, R. T. ;
REPT. NO. AEWES-TR-3-712-Suppl-5

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes Supplement 4, AD-710
967.

DESCRIPTORS: (*GEOLOGICAL SURVEY, BIBLIOGRAPHIES),
INDEXES, STRUCTURAL GEOLOGY, SOILS, HYDROLOGY, WATER
SUPPLIES, STRATIGRAPHY, NATURAL RESOURCES, PETROLOGY,
SOIL MECHANICS, ROCK(GEOLOGY) (U)
IDENTIFIERS: *MISSISSIPPI VALLEY (U)

Approximately 70 references to published and
unpublished items of geologic literature have been
evaluated and annotated since the publication of
Supplement 4 in July 1970. The new references
have been combined with those in the previous
supplements using a magnetic-tape-based system and
are presented in this report, which supersedes the
previous supplements. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 732 251 8/2 8/5
ARMY FOREIGN SCIENCE AND TECHNOLOGY CENTER CHARLOTTESVILLE
VA

Alphabetical Index of Articles Published
during 1970 in the Journal, Geodeziya i
Kartografiya (Alfavitnyi ukazatel' Statei,
Opublikovannykh v 1970 g. v Zhurnale Geodeziya
i Kartografiya). (U)

JUL 71 18P
REPT. NO. FSTC-HT-23-1123-71
PROJ: FSTC-T7023012301

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Trans. of Geodeziya i Kartografiya
(USSR) n12 p74-80 1970.

DESCRIPTORS: (*MAPPING, *BIBLIOGRAPHIES), GEODESICS,
SURVEYING, TRIANGULATION, PHOTOGRAMMETRY, (U)
INSTRUMENTATION, USSR (U)
IDENTIFIERS: *GEODESY, TRANSLATIONS (U)

An alphabetical index of articles published during
1970 in the journal, 'Geodeziya i Kartografiya'
is presented. (Author) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 731 016 8/10 8/3 15/1
SACLANT ASW RESEARCH CENTRE LA SPEZIA (ITALY)

Bibliography of Unclassified Technical
Reports and Technical Memoranda.

71 30P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: NATO furnished. See also report
dated Sep 68, AD-843 606L.

DESCRIPTORS: (*OCEANOLOGY, *BIBLIOGRAPHIES), OCEAN
BOTTOM, OCEAN WAVES, MARINE GEOPHYSICS, MARINE
METEOROLOGY, ANTISUBMARINE WARFARE, MATHEMATICAL MODELS,
UNDERWATER EQUIPMENT, SEA WATER, WAVE TRANSMISSION, (U)
REPORTS, ABSTRACTS, ITALY (U)
IDENTIFIERS: *ANNOTATED BIBLIOGRAPHIES,
SACLANTCEN (U)

The bibliography lists the titles, authors, and
abstracts of all unclassified scientific and
technical documents published by SACLANTCEN since
its inception. It is intended to be brought up to
date in March and September every year. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 725 535 8/8
ARMY ENGINEER WATERWAYS EXPERIMENT STATION VICKSBURG
MISS

Publications Available for Purchase: U.
S. Army Engineer Waterways Experiment
Station and Other Corps of Engineers
Agencies. (U)

JAN 71 66P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated 1 Jan 69,
AD-691 121.

DESCRIPTORS: (*HYDROLOGY, *BIBLIOGRAPHIES), HYDRAULIC
MODELS, SOILS, CONCRETE, MOBILITY, ENVIRONMENT, NUCLEAR
WEAPONS, ENGINEERING, LABORATORIES, RIVERS, INLAND
WATERWAYS (U)

Contents: U. S. Army engineer waterways
experiment station-- (Hydraulics division, soils
division, concrete division, mobility and
environmental division, nuclear weapons effects
division); St. Paul district hydraulic
laboratory; Reports published and distributed by
waterways experiment station for other corps of
engineers agencies; Engineer manuals. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
AD- 725 512 8/10 8/1 13/10
NAVAL UNDERSEA RESEARCH AND DEVELOPMENT CENTER SAN DIEGO
CALIF

Oceanographic Activities of the Marine
Environment Division.

DESCRIPTIVE NOTE: Annual rept. Sep 68-Sep 69,
NOV 69 35P LaFond, E. C. ; Lee, O.

S. ;
REPT. NO. NUC-TP-165
PROJ: SR104-03-01
TASK: 0539, 0580

UNCLASSIFIED REPORT

DESCRIPTORS: (*OCEANOGRAPHY, *REVIEWS), MARINE BIOLOGY,
CHEMICAL PROPERTIES, SEA WATER, MARINE GEOLOGY, MARINE
GEOPHYSICS, MARINE ENGINEERING, SEDIMENTATION,
BIBLIOGRAPHIES

The report presents a review of the projects
undertaken by the Marine Environment Division
from September 1968 to September 1969. The
four disciplines of oceanography covered are biology,
chemistry, geology, and physics; marine engineering
is also covered. Summaries of some of the studies
are presented, together with a bibliography of recent
publications. (Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
AD- 724 510 8/2 14/5
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Photogrammetry.

DESCRIPTIVE NOTE: Report bibliography Apr 47-Mar 70.

MAY 71 140P
REPT. NO. DDC-TAS-71-21-1

UNCLASSIFIED REPORT

DESCRIPTORS: (*PHOTOGRAMMETRY, *BIBLIOGRAPHIES),
GEODESICS, COMPUTER PROGRAMS, CLOUDS, AUTOMATION, AERIAL
RECONNAISSANCE, PLANTS(BOTANY), SOILS, AERIAL
PHOTOGRAPHS, STEREOPHOTOGRAPHY, PHOTOINTERPRETATION,
MAPPING, TERRAIN, PHOTOGRAPHY, ABSTRACTS, UNDERWATER
PHOTOGRAPHY, REPORTS

The bibliography contains annotated references on
Photogrammetry. Some of the topics are:
geodetic photogrammetric research and technique
development, computer programs for the reduction of
photogrammetric cloud data, electronic
photogrammetry, some thoughts on automation in
photography, aerial photography used in mapping
vegetation and soils, and some new approaches in
photogrammetric techniques. (Author)

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(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 723 062 8/6
ARIZONA UNIV TUCSON INST OF ARID LANDS RESEARCH

Desert Research, II: Selected References
1966-1970.

(U)

DESCRIPTIVE NOTE: Technical rept.,

SEP 70 177P Paylore, Patricia ;

CONTRACT: DAAG17-67-C-0199

PROJ: DA-1-T-062112-A-129

MONITOR: USA-NLABS, ES TR-71-20-ES, 60

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated Dec 69, AD-703 884.

DESCRIPTORS: (*DESERTS, *BIBLIOGRAPHIES), STRATIGRAPHY, EROSION, WIND, CLIMATE, PLANTS(BOTANY), ANIMALS, STRUCTURAL GEOLOGY, HYDROLOGY, TROPICAL REGIONS, MICROMETEOROLOGY, GEOGRAPHY, SOILS, IRRIGATION SYSTEMS, AGRICULTURE, WATER SUPPLIES, DESERT TESTS, ABSTRACTS (U)

IDENTIFIERS: GEOMORPHOLOGY, HYDROGEOLOGY, LANDFORMS (U)

The report consists of 594 references to worldwide desert literature appearing between 1966 and 1970, as located during the period January 1969 to August 1970 in standard abstracting and indexing tools, by continuing searches in sources not so indexed, and by a worldwide network of direct contacts. It is arranged alphabetically by authors, with a brief index of subject geographic terms. Brief abstracts are included, with emphasis on arid lands aspects of such topics as geomorphology, weather and climate, vegetation, fauna, surface materials, hydrology, and geography. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 723 061 8/6
ARIZONA UNIV TUCSON INST OF ARID LANDS RESEARCH

An Annotated Bibliography and Evaluation of Remote Sensing Publications Relating to Military Geography of Arid Lands,

(U)

SEP 70 111P McGinnies, William G. ;

CONTRACT: DAAG17-67-C-0199

PROJ: DA-1-T-061102-B-52-A

MONITOR: USA-NLABS, ES TR-71-27-ES, 61

UNCLASSIFIED REPORT

DESCRIPTORS: (*DESERTS, *BIBLIOGRAPHIES), MILITARY REQUIREMENTS, TABLES(DATA), TERRAIN, HYDROLOGY, PLANTS(BOTANY), CLIMATE, ANIMALS, COASTAL REGIONS, DETECTORS, COLORS, SURFACE PROPERTIES, INFRARED PHOTOGRAPHY, RADAR EQUIPMENT, PHOTOGRAMMETRY, MULTIBAND SPECTRAL RECONNAISSANCE, RADAR IMAGES (U)

IDENTIFIERS: *REMOTE SENSING (U)

A comprehensive review has been made of remote sensing publications relating to military geography of arid lands. These have been abstracted or annotated and arranged in tables relating devices and processes to geographic features including terrain, groundwater, surface materials, cultural features, flora, fauna, weather and climate, coastal zones, and general geography. The devices and processes include black and white, color, and infrared photography and devices utilizing longer wave lengths such as radar. Vehicles include conventional airplanes and spacecraft. Each reference is rated as especially useful, useful, or of little value. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 722 685 8/13 8/10 13/2
CALIFORNIA UNIV BERKELEY HYDRAULIC ENGINEERING LAB

Literature Survey and Bibliography of
Engineering Properties of Marine Sediments. (U)

DESCRIPTIVE NOTE: Technical rept..
FEB 71 34P Garcia, William J. , Jr;
REPT. NO. MEL-2-27
CONTRACT: DACW72-67-C-0015

UNCLASSIFIED REPORT

DESCRIPTORS: (*SOIL MECHANICS, *BIBLIOGRAPHIES), (*OCEAN
BOTTOM, SEDIMENTATION), REVIEWS, TRANSPORT PROPERTIES,
DRILLING, CONTINENTAL SHELVES, MARINE GEOLOGY,
FOUNDATIONS(STRUCTURES), OCEAN BOTTOM SAMPLING, DEEP
WATER, SHEAR STRESSES, FLEXURAL STRENGTH, COMPRESSIVE
PROPERTIES, STABILIZATION (U)
IDENTIFIERS: OCEAN BOTTOM, SEDIMENTS, *GEOLOGICAL
SEDIMENTATION (U)

The literature dealing with the engineering
properties of submarine soils was surveyed. A
bibliography of 352 citations is presented dealing
broadly with the engineering properties of marine
sediments as well as with marine geology and relevant
soil mechanics aspects of dry land soils to provide
the broadest possible background in the subject.
(Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 722 598 8/1 8/3 8/10
WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

Bibliography of Technical Reports 1970. (U)

JAN 71 19P Fuglister, Cecelia B. ;
REPT. NO. WHOI-Ref-70-70

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated Apr 70, AD-
704 485.

DESCRIPTORS: (*OCEANOGRAPHY, *BIBLIOGRAPHIES),
HYDROPHONES, CONTINENTAL SHELVES, MAGNETIC ANOMALY
DETECTION, FISHES, SEISMIC WAVES, REFLECTION, UNDERWATER
VEHICLES, DEEP SUBMERGENCE, WATER POLLUTION, SAMPLING,
PETROLEUM PRODUCTS, GRAVITY, OCEAN CURRENTS, UNDERWATER
SOUND, MOORING BUOYS, HYDROGRAPHIC SURVEYING, DATA
PROCESSING (U)

The report contains bibliographies of research in
oceanology; Sedimentation; Hydrographic
surveying; Marine geology; Marine biology;
Ocean bottom sampling, ocean currents, and marine
geochemistry. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 720 348 8/10 9/2 20/1
WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

Final Report of Contract Nonr-4029
Including a History of the Contract and the
Bibliography of Contributions Supported by
Contract Nonr-4029 at the Woods Hole
Oceanographic Institution September 1962 -
September 1969.

DEC 70 92P Knott, S. T.; Vine, A. C.

(U)

REPT. NO. WHOI-Ref-70-64
CONTRACT: Nonr-4029(00)
PROJ: NR-260-101

UNCLASSIFIED REPORT

DESCRIPTORS: (*OCEANOGRAPHIC DATA, *DATA PROCESSING),
(*UNDERWATER SOUND, SOUND TRANSMISSION), OCEAN BOTTOM
TOPOGRAPHY, UNDERWATER SOUND SIGNALS, SHIPBOARD, MARINE
BIOLOGY, BIBLIOGRAPHIES (U)

The contract supported from September 1962 to
September 1969 a program of basic research whose
broad aim was 'to better understand the geophysical
processes in the below the ocean' that relate to the
acoustical environmental and other Naval problems.
The program had five areas of interest: ocean
acoustics; physical oceanography; sea floor
properties; advisory activities; and shipboard data
processing. A review of the highlights of the
research in each area, and a bibliography of
published and unpublished formal reports, is
presented. (Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 711 534 8/12
COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H

ICING OCCURRENCE, CONTROL AND PREVENTION. AN
ANNOTATED BIBLIOGRAPHY. (U)

DESCRIPTIVE NOTE: Special rept.,
JUL 70 62P Carey, Kevin L. ;
REPT. NO. CRREL-SR-151
PROJ: DA-1-T-062112-A-130
TASK: 1-T-062112-A-1J001

UNCLASSIFIED REPORT

DESCRIPTORS: (*ICE PREVENTION, *BIBLIOGRAPHIES), (*ICE,
CONTROL), TRAFFICABILITY, ROADS, RAILROADS, LANDING
FIELDS, STRUCTURES (U)
IDENTIFIERS: *ICE CONTROL (U)

Icings present severe problems for highways,
railroads, airfields, and structures. Details of
icing processes, and past and present practices of
icing prevention and control, are given in
annotations for 93 of 94 bibliographic entries. The
entries were selected from over 200 references
examined through March 1968. Of the 94 entries,
51 are from the Soviet Union, 37 from the
United States, and 6 from Canada. Fourteen
recent Russian papers were translated specifically
for this study. (Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 704 485 8/1 8/3 8/10
WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

BIBLIOGRAPHY OF TECHNICAL REPORTS 1969.

(U)

APR 70 20P Fuglister, Cecelia B. ;
REPT. NO. WHOI-Ref-69-90

UNCLASSIFIED REPORT

DESCRIPTORS: (*OCEANOGRAPHY, *BIBLIOGRAPHIES),
HYDROPHONES, CONTINENTAL SHELVES, MAGNETIC ANOMALY
DETECTION, FISHES, SEISMIC WAVES, REFLECTION, UNDERWATER
VEHICLES, DEEP SUBMERGENCE, SAMPLING, OCEAN CURRENTS,
GRAVITY, UNDERWATER SOUND, MOORING BUOYS (U)
IDENTIFIERS: INTERNAL WAVES (U)

The report contains bibliographies of research in
underwater sound; Marine biology; Ocean currents;
Oceanographic sampling data; Magnetic anomaly
detection; Underwater vehicles; etc.
(Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 704 140 8/2 8/13 15/7
AIR FORCE CAMBRIDGE RESEARCH LABS L G HANSCOM FIELD
MASSEARTH SCIENCE APPLIED TO MILITARY USE OF NATURAL
TERRAIN.

(U)

DESCRIPTIVE NOTE: Air Force Surveys in Geophysics,
AUG 69 209P Needleman, Stanley M. ;
Molineux, C. E. ;
REPT. NO. AFRL-AFSIG-211, AFRL-69-0364
PROJ: AF-7600, AF-7628

UNCLASSIFIED REPORT

DESCRIPTORS: (*AERIAL RECONNAISSANCE, MILITARY
OPERATIONS), (*MAPPING, TERRAIN), (*TERRAIN,
TRAFFICABILITY), STATE-OF-THE-ART REVIEWS,
CLASSIFICATION, LANDING FIELDS, TARGET ACQUISITION, DATA
PROCESSING, DATA STORAGE SYSTEMS, PHOTOINTERPRETATION,
GRAVITY, SONAR, SEISMIC WAVES, GAMMA RAYS, LASERS,
INFRARED PHOTOGRAPHY, RADAR IMAGES, MULTIBAND SPECTRAL
RECONNAISSANCE, SOILS, RADIOMETERS, BIBLIOGRAPHIES (U)
IDENTIFIERS: *REMOTE SENSING (U)

A survey of the state-of-the-art in the evaluation
of natural terrain by earth-science techniques and
measurement systems is presented in response to a
need that existed for many years. This report
considers the terrain as an envelope of the
environment and all related parameters that are basic
in an evaluation for relevant military applications
such as unimproved landing areas, trafficability,
site selection for operational facilities, terrain
reconnaissance and surveillance, and target detection
within a masked terrain complex. Methods of
terrain-data acquisition, analysis, and evaluation
and their limitations are reviewed. The status of
research and development, specifying the gaps in
technology, is summarized with accompanying
conclusions. The report forecasts the requirement
for an automated terrain-data acquisition, storage,
and display system. Information pertaining to the
classification of terrain data, field devices to
measure bearing strength, and a visualized optimum
remote sensing system is also given in the appendix.
A glossary and a comprehensive bibliography are
included. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 703 884 8/6

ARIZONA UNIV TUCSON INST OF ARID LANDS RESEARCH

DESERT RESEARCH: SELECTED REFERENCES 1965-1968. (U)

DESCRIPTIVE NOTE: Technical rept.,
DEC 69 419P Paylore, Patricia :McGinnies,

W. G. ;

CONTRACT: DAAG17-67-C-0199

PROJ: DA-1-T-062109-A-129

MONITOR: USA-NLABS.ES TR-70-24-ES,52

UNCLASSIFIED REPORT

DESCRIPTORS: (*DESERTS, *BIBLIOGRAPHIES),
PLANTS(BOTANY), MAMMALS, CLIMATE, HYDROLOGY, COASTAL
REGIONS, ECONOMICS, GEOGRAPHY, SOCIAL SCIENCES,
AGRICULTURE, GEOLOGY, ECOLOGY, TROPICAL REGIONS,
ABSTRACTS (U)IDENTIFIERS: GEOMORPHOLOGY, GROUND WATER,
LANDFORMS (U)

The report consists of a selection of 1,094 references (many of which are annotated) to worldwide desert literature for the period 1965-1968, together with an appendix of 385 references published before 1965, with the emphasis on vegetation, fauna, geomorphology and surface hydrology, weather and climate, surface materials, geohydrology, regional geography, and desert coastal areas, as well as a limited number dealing with various aspects of the human, cultural, economic, and political geography of deserts. Titles have been permuted to provide an index of significant keywords. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 698 245 8/10 8/3 4/2

OREGON STATE UNIV CORVALLIS DEPT OF OCEANOGRAPHY

REFERENCE NUMBER LISTINGS AND THESES. (U)

DEC 69 34P

REPT. NO. Ref-69-33

UNCLASSIFIED REPORT

DESCRIPTORS: (*OCEANOGRAPHY, BIBLIOGRAPHIES), THESES,
REVIEWS, ESTUARIES, RIVERS, COASTAL REGIONS,
OCEANOGRAPHIC DATA, SURFACE TEMPERATURE, CHEMICAL
PROPERTIES, SEDIMENTATION, OCEAN WAVES, SEA WATER,
MARINE METEOROLOGY, OREGON (U)

The compilation lists in chronological order reports and publications of the Oregon State University Department of Oceanography. Included are Data Reports, Technical Reports, Progress Reports and miscellaneous listings from 1955 to date. A list of Theses and Dissertations by graduates of the Department beginning in 1962 is listed separately. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 696 695 8/10 20/1

COLUMBIA UNIV DOBBS FERRY N Y HUDSON LABS

HUDSON LABORATORIES, 1951-1969 (FINAL SUMMARY REPORT) VOLUME III: BIBLIOGRAPHY OF PUBLICATIONS AND PATENTS, (U)

JUN 69 87P Morse, K. T. ;
REPT. NO. CU-214-69-QNR-266-Phys.
CONTRACT: N6ONR-271(35), Nonr-266(84)

UNCLASSIFIED REPORT

DESCRIPTORS: (*UNDERWATER SOUND, BIBLIOGRAPHIES), (*OCEANOGRAPHY, *BIBLIOGRAPHIES), SCIENTIFIC RESEARCH, REPORTS, CLASSIFICATION, BATHY THERMOGRAPH DATA, LOW FREQUENCY, SOUND TRANSMISSION, REFLECTION, SEISMIC WAVES, ATLANTIC OCEAN, PATENTS (U)

The contributions to scientific journals, technical reports, status reports, and patents originating at the Hudson Laboratories between 1951 and 1969 are listed in their numbered series. (Author) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 696 537 8/10 20/1
WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS

FINAL REPORT OF CONTRACT Nonr-2866 INCLUDING A HISTORY OF THE CONTRACT AND A BIBLIOGRAPHY OF SCIENTIFIC CONTRIBUTIONS SUPPORTED BY THE CONTRACT AT THE WOODS HOLE OCEANOGRAPHIC INSTITUTION FROM MARCH 1, 1959 TO JUNE 30, 1969, (U)

JUN 69 23P Beckerle, John C. ;
REPT. NO. WHOI-Ref-69-51
CONTRACT: Nonr-2866(00)
PROJ: NR-287-004

UNCLASSIFIED REPORT

DESCRIPTORS: (*OCEANOGRAPHY, BIBLIOGRAPHIES), (*UNDERWATER SOUND, REPORTS), SOUND TRANSMISSION, ACOUSTIC PROPERTIES, SEA WATER, VELOCITY, UNDERWATER SOUND EQUIPMENT, OCEAN CURRENTS, MARINE METEOROLOGY, BERMUDA (U)
IDENTIFIERS: ARTEMIS PROJECT (U)

The Contract was initiated as a project to provide basic environmental measurements in a broad ocean area between Bermuda and the Antilles that would limit the specifications and the performance of a large long range underwater acoustics system known as Project ARTEMIS. From the beginning in late 1958 until the present the research program included sound transmission studies, temperature and sound velocity measurements, studies of currents in the deep ocean and studies of the bottom conditions. This program of research has brought about better understanding of the ocean bottom in the Bermuda-Antilles area. A reliable environmental ocean measuring system was developed under this contract and put to use to determine spatial and temporal variations in the acoustic structure in the ocean. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 696 116 8/1 8/2 8/3 8/10

4/2

NAVAL OCEANOGRAPHIC OFFICE WASHINGTON D C

CATALOG OF PUBLICATIONS, 1969.

(U)

69 83P

REPT. NO. N00-HO-PUB-1-P

UNCLASSIFIED REPORT

Availability: Paper copy available from U. S.
Oceanographic Office, Washington, D. C. 20390.
\$0.75

DESCRIPTORS: (*OCEANOGRAPHY, *BIBLIOGRAPHIES),
OCEANOGRAPHIC SHIPS, HYDROGRAPHIC SURVEYING,
OCEANOGRAPHIC DATA, BATHYThERMOGRAPH DATA, OCEAN BOTTOM
SAMPLING, NAVIGATION CHARTS, SEDIMENTATION, MAPPING,
DATA PROCESSING, LORAN, GRAVITY, HARBORS, GULF STREAM,
SEA ICE, MARINE BIOLOGY, UNDERWATER SOUND, MARINE
METEOROLOGY, RADIO TRANSMISSION, CATALOGS
IDENTIFIERS: GEODETIC COORDINATES

(U)

(U)

Contents: Bathythermograph; Bottom pressure;
Bottom sediments; Cartography; Catalogs;
Coding and keypunching; Data processing;
Gravity; Gulf stream; Harbors, Ice;
Instrumentation; International codes; Loran
rate tables; Magnetic; Marine biology;
Meteorological studies; Oceanographic ships;
Radio aids; Sea water; Sound; Surveying;
Temperature and salinity; Tides, waves, and
surface currents; World ports.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 693 800 8/7

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

IGNEOUS ROCKS, VOLUME 1.

(U)

DESCRIPTIVE NOTE: Report bibliography Mar 62-May 69.
SEP 69 175P

REPT. NO. DDC-TAS-69-59-1

UNCLASSIFIED REPORT

DESCRIPTORS: (*IGNEOUS ROCK, *BIBLIOGRAPHIES), MOON,
VOLCANOES, BASALT, GRANITE, QUARTZ, FELDSPAR, CLAY
MINERALS, EXTRATERRESTRIAL TOPOGRAPHY, CRATERING,
EXTRUSION
IDENTIFIERS: COESITE, EXTRUSIVES, INTRUSIVES, LAVA,
MAGMA, PLAGIOCLASE, PUMICE, VOLCANIC ROCK

(U)

(U)

The objective of the work reported herein was to
obtain references on studies pertaining to Igneous
Rocks, which are of volcanic origin and may be
found on the surface of the moon. Corporate
Author/Monitoring Agency, Subject, Personal
Author, Contract and Report Number indexes
are included. (Author)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 692 290 8/13

COLD REGIONS RESEARCH AND ENGINEERING LAB HANOVER N H

BIBLIOGRAPHY ON SOIL DYNAMICS. (U)

DESCRIPTIVE NOTE: Special rept.,

JUN 69 103P Bernhard, R. K. ;

REPT. NO. CRREL-SR-110

PROJ: DA-1-T-062112-A-130

TASK: 1-T-062112-A-13001

UNCLASSIFIED REPORT

DESCRIPTORS: (*SOIL MECHANICS, *BIBLIOGRAPHIES), SOIL\$, MICROSEISMS, EARTHQUAKES, SEISMIC WAVES, SEISMOLOGY, NUCLEAR EXPLOSIONS, WAVE PROPAGATION, VIBRATION, RANGE(DISTANCE), GEOPHYSICS, SHOCK WAVES, INSTRUMENTATION, TEMPERATURE, MOISTURE, TRAFFICABILITY, STRATIGRAPHY, DAMS, FOUNDATIONS(STRUCTURES), TEXTBOOKS, REPORTS, SYMPOSIA, INDEXES (U)
IDENTIFIERS: *OIL DYNAMICS, SUBGRADES, WAVEFORMS (U)

532 BOOKS, PAPERS, BIBLIOGRAPHIES AND SYMPOSIUM PROCEEDINGS CONCERNING SOIL DYNAMICS ARE LISTED, EACH WITH AN ACCOMPANYING ANNOTATION DESCRIBING ITS CONTENTS. The items listed were published from 1961 to 1965. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 691 121 8/8

ARMY ENGINEER WATERWAYS EXPERIMENT STATION VICKSBURG MISS

PUBLICATIONS AVAILABLE FOR PURCHASE. U. S. ARMY ENGINEER WATERWAYS EXPERIMENT STATION AND OTHER CORPS OF ENGINEERS AGENCIES. (U)

JAN 69 57P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Report dated 1 Jan 68, AD-685 834.

DESCRIPTORS: (*HYDROLOGY, *BIBLIOGRAPHIES), HYDRAULIC MODELS, SOILS, CONCRETE, MOBILITY, ENVIRONMENT, NUCLEAR WEAPONS, ENGINEERING, RIVERS, INLAND WATERWAYS (U)

Contents: Reports from U. S. Army Engineer Waterways Experiment Station and St. Paul District Hydraulic Laboratory; Reports published and distributed by Waterways Experiment Station for other Corps of Engineers agencies; Engineer manuals. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 689 460 8/6 5/3 5/6
 AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN
 SOCIAL SYSTEMS

MAURITIUS: A STUDY AND ANNOTATED BIBLIOGRAPHY. (U)

JUN 69 47P Hahn, Lonna ; Edison, Robert ;
 REPT. NO. CRESS/CINFAC-R-1104
 CONTRACT: DAHC19-67-C-0046

UNCLASSIFIED REPORT

DESCRIPTORS: (*INDIAN OCEAN ISLANDS, REVIEWS),
 SOCIOLOGY, ECONOMICS, CULTURE, INTERACTIONS, SOCIAL
 COMMUNICATION, POPULATION, POLITICAL SCIENCE, LANGUAGE,
 COMMERCE, DISTRIBUTION(ECONOMICS), NEWSPAPERS,
 ATTITUDES(PSYCHOLOGY), COMMUNISTS, MOTIVATION,
 BIBLIOGRAPHIES (U)
 IDENTIFIERS: MAURITIUS (U)

A brief study is given of the sociological,
 economic, and political conditions of Mauritius, to
 provide basic understanding of the country as it
 approached independence on March 12, 1968. The
 report consists of an essay and a comprehensive
 annotated bibliography of books, periodicals,
 government documents, and other publications.
 (Author) (U)

UNCLASSIFIED

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44

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 686 790 8/7 20/11
 GENERAL MOTORS TECHNICAL CENTER WARREN MICH MATERIALS AND
 STRUCTURES LAB

ROCK MECHANICS: A BIBLIOGRAPHY. (U)

FEB 69 145P Burt, C. R. ;
 REPT. NO. MSL-68-48

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Prepared in cooperation with AC
 Electronics-Defense Research Labs., Santa
 Barbara, Calif.

DESCRIPTORS: (*ROCK, STRUCTURAL PROPERTIES),
 BIBLIOGRAPHIES, FRACTURE(MECHANICS), DEFORMATION,
 LOADS(FORCES), PRESSURE, ELASTIC PROPERTIES, DRILLING,
 STRATIGRAPHY, UNDERGROUND STRUCTURES, STRESSES,
 MECHANICAL PROPERTIES, SYMPOSIA, FAULTS(GEOLOGY),
 REPORTS (U)
 IDENTIFIERS: EARTH CRUST, *ROCK MECHANICS (U)

The bibliography on rock mechanics and its
 application to mining contains over 1200 references
 to books, articles, and reports. (Author) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 686 517 8/6
DEPARTMENT OF THE ARMY WASHINGTON D C

USSR: STRATEGIC SURVEY: A BIBLIOGRAPHY. 1969
EDITION.

DEC 68 295P
REPT. NO. DA-PAM-550-6

UNCLASSIFIED REPORT

Availability: Paper copy available from
Superintendent of Documents, GPO, Washington, D.
C. 20402.

DESCRIPTORS: (*USSR, REVIEWS). GOVERNMENT(FOREIGN).
ARMED FORCES(FOREIGN). MILITARY OPERATIONS, SOCIAL
SCIENCES, ECONOMICS, INDUSTRIES, GEOGRAPHY, POPULATION,
AGRICULTURE, LAW, EDUCATION, COMMUNISM, FOREIGN POLICY.
(U)
URBAN AREAS, RURAL AREAS, BIBLIOGRAPHIES
(U)
IDENTIFIERS: AREA STUDIES

The bibliography contains a thousand abstracts of
unclassified literature concerning the military,
economic, political, sociological and scientific
activities of the Soviet government.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 685 834 8/8
ARMY ENGINEER WATERWAYS EXPERIMENT STATION VICKSBURG,
MISS

PUBLICATIONS AVAILABLE FOR PURCHASE.

JAN 68 50P

UNCLASSIFIED REPORT

DESCRIPTORS: (*HYDROLOGY, BIBLIOGRAPHIES), HYDRAULIC
MODELS, SOILS, CONCRETE, ENVIRONMENT, MOBILITY, NUCLEAR
WEAPONS, ENGINEERING, RIVERS, INLAND WATERWAYS, COSTS (U)

Contents: U. S. Army Engineer
Waterways Experiment Station (Hydraulics
division, Soils division, Concrete division,
Mobility and environmental division, Nuclear
weapons effects division, Miscellaneous
subjects); St. Paul District Hydraulic
Laboratory; Reports published and distributed by
Waterways Experiment Station for other Corps
of Engineers agencies; Engineer manuals.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 675 322 8/6
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN
SOCIAL SYSTEMS

A SELECTED BIBLIOGRAPHY OF THE DOMINICAN REPUBLIC: A
CENTURY AFTER THE RESTORATION OF INDEPENDENCE. (U)

DESCRIPTIVE NOTE: Technical rept.,
SEP 68 144P Hitt, Deborah S.; Wilson,
Larman C.;

REPT. NO. CRESS-CINFAC-R-0802
CONTRACT: DAHC19-67-C-0046

UNCLASSIFIED REPORT

DESCRIPTORS: (*DOMINICAN REPUBLIC, BIBLIOGRAPHIES),
GEOGRAPHY, POLITICAL SCIENCE, HISTORY, ECONOMICS, LAW,
AGRICULTURE, NATURAL RESOURCES, POPULATION, INDUSTRIES,
FOREIGN POLICY, COMMERCE, NATIONAL DEFENSE,
SOCIOMETRICS

IDENTIFIERS: BIOGRAPHIES (U)
(U)

This is a selected bibliography of unclassified
books, articles, and public documents on the
Dominican Republic of the twentieth century.
Most references are in English or Spanish.
Entries have been divided, and in some cases cross-
referenced, according to their pertinence to the
social, economic, historical, security, and political
aspects of Dominican life. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB

AD- 673 721 8/3 8/10 5/2
ARMY COASTAL ENGINEERING RESEARCH CENTER WASHINGTON D
C

ANNOTATED BIBLIOGRAPHY OF BEB AND CERC PUBLICATIONS, (U)

JUL 68 140P Allen, R. H.; Spooner, E.
L. ;
REPT. NO. Miscellaneous paper-1-68

UNCLASSIFIED REPORT

DESCRIPTORS: (*OCEANOGRAPHY, COASTAL REGIONS), (*COASTAL
REGIONS, BIBLIOGRAPHIES), OCEAN WAVES, EROSION, CORAL
REEFS, DEEP WATER, SHALLOW WATER, OCEAN CURRENTS, OCEAN
BOTTOM TOPOGRAPHY, SAND, MEXICO GULF, ATLANTIC OCEAN,
PACIFIC OCEAN, ABSTRACTS (U)

This report is a bibliography of Beach Erosion
Board publications from 1940 to 1963 and of
Coastal Engineering Research Center
publications from 1963 through 1967. A summary or
abstract accompanies each title. Included is a
list of Beach Erosion Control Reports that
have been published as House Documents. To aid
the user there are indexes of authors, titles, and
subjects. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
AD- 672 756 8/12 5/2
COLD REGIONS RESEARCH AND ENGINEERING LAB MANOVER N H
BIBLIOGRAPHY ON SNOW, ICE AND FROZEN GROUND. VOLUME
XXII. (U)

JUN 68 238P
REPT. NO. CRREL-12-Vol-22

UNCLASSIFIED REPORT

DESCRIPTORS: (*SNOW, BIBLIOGRAPHIES). (*ICE, ARCTIC
REGIONS), GLACIERS, MOTION, ECHO RANGING, THICKNESS,
COMPRESSIVE PROPERTIES, PROBES, TEMPERATURE,
PENETRATION, FREEZING, ABSTRACTS, COLD WEATHER TESTS, (U)
ALASKA, POLAR REGIONS, ANTARCTIC REGIONS (U)
IDENTIFIERS: REMOTE AREAS (U)

The bibliography on snow, ice and frozen ground
with abstracts, provides USA CRREL with a current
and comprehensive coverage of basic and applied
scientific research on snow, ice, and frozen ground,
as well as living and working in polar regions and
other cold areas. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOB
AD- 669 130 8/10 8/1 8/8 20/1
WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS
BIBLIOGRAPHY OF REPORTS, 1967. (U)

JAN 68 21P Fuglister, Cecelia B. ;
REPT. NO. WHOI-Ref-67-83

UNCLASSIFIED REPORT

DESCRIPTORS: (*OCEANOGRAPHY, BIBLIOGRAPHIES), REPORTS,
UNDERWATER SOUND, SOUND TRANSMISSION, CHEMICAL
PROPERTIES, SEA WATER, PHYSICAL PROPERTIES, STRONTIUM,
ECHO RANGING, SEISMOLOGY, NAVIGATION CHARTS,
OCEANOGRAPHIC SHIPS, BATHY THERMOGRAPH DATA, OCEAN BOTTOM
SAMPLING, PERIODIC VARIATIONS, RIVERS, HYDROLOGY, DATA
PROCESSING (U)

The bibliography of reports contains oceanographic
data on physical and chemical properties of seawater,
navigation, seismology, hydrology, underwater sound,
marine biology, magnetic fields, sedimentation, etc.,
from Woods Hole Oceanographic Institution,
Woods Hole, Massachusetts. (U)

SECTION III -

ELECTRONICS AND ELECTRICAL ENGINEERING

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A048 782 9/2 5/1 5/2
 GEORGIA INST F TECH ATLANTA COLL OF INDUSTRIAL
 MANAGEMENT

The Pricing of Computer Services: A
 Bibliography.

(U)

DESCRIPTIVE NOTE: Final rept.,
 JAN 78 68P Hamilton, Kenneth L. ;
 REPT. NO. GIT-MS-78-1

UNCLASSIFIED REPORT

DESCRIPTORS: *Computer applications, *Data
 processing, *Costs, *Bibliographies, Economics,
 Computers, Accounting, Indexes, Management
 planning and control, Facilities, Management
 information systems, Allocations, Budgets

(U)

This bibliography consists of references to the
 literature on pricing of computer services. A table
 of contents provides indexing of the bibliography on
 the bases of authors, editors, titles, etc., with
 cross references to the original entry. The
 bibliography will be revised at a later date to
 include classification according to content along
 with additional critical annotations and abstracts.
 (Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A047 991 9/5 5/2
 ARMY ELECTRONICS COMMAND FORT MONMOUTH N J

Low Profile Antenna Performance Study
 Part III. Bibliography.

(U)

DESCRIPTIVE NOTE: Final rept. Sep 75-Mar 77,
 NOV 77 12P DeSantis, C. M. ;
 REPT. NO. ECOM-4547
 PROJ: 1T161101A91A
 TASK: 32

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Part 1, AD-A040
 985.

DESCRIPTORS: *Broadband antennas, *Bibliographies,
 Experimental data, Fabrication,
 Performance (Engineering)
 IDENTIFIERS: *Low profile antennas

(U)
(U)

This report contains an extensive bibliography of
 information on the analysis, design, and
 experimentation of small antennas aimed at improving
 bandwidth and efficiency. The report also contains
 a tabular summary of the bandwidth of various small
 antennas which have been reported in the literature.
 This report forms the third part of a three part
 series of reports entitled: 'Low-Profile
 Antenna Performance Study.' (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A043 464 9/2 5/2
BROWN UNIV PROVIDENCE R I DIV OF APPLIED MATHEMATICSStatistical Computer Performance
Evaluation.

(U)

DESCRIPTIVE NOTE: Final summary rept. 1 Jan 73-31 Dec 76.

MAR 77 11P Freiberger, Walter ;
CONTRACT: N00014-75-C-0461, N00014-67-A-0191-0026

UNCLASSIFIED REPORT

DESCRIPTORS: *Computer programming, *Bibliographies, Statistical inference, Performance, Heuristic methods, Queuing theory, Interactive graphics, Syntax, Grammars, Patterns, Networks, Abstracts, Scientific research

(U)

An annotated bibliography of all reports published under these contracts, with supplementary remarks.
(Author)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A038 827 9/2
CALIFORNIA UNIV BERKELEY ELECTRONICS RESEARCH LAB

Bibliography on Numerical Software,

(U)

MAR 77 125P Einarsson, Bo ;
REPT. NO. UCB/ERL-M77/19
CONTRACT: N00014-76-C-0013

UNCLASSIFIED REPORT

DESCRIPTORS: *Computer program documentation, *Computer programs, Numerical methods and procedures, Bibliographies, FORTRAN, Libraries, Differential equations, Integral equations, Linear algebra, Computer programming, Subroutines IDENTIFIERS: *Computer software, Numerical software, Structured programming

(U)

(U)

This bibliography has been written at the request of the IFIP Working Group on Numerical Software (IFIP WG 2.5), and is intended to serve both members of the working group and others intent on improving numerical software. It has been divided into twenty-one different areas. Within each area the references are given in alphabetical order by the first author. Some references occur in two or at most three areas. This is especially true for the individual articles in the books of Section 2. For some entries a summary is included; either the original abstract, or a shortened form of the original, or a summary written by the present author. The aim of the bibliography is to be useful in the production and evaluation of good software for numerical mathematics. However, it does not include references to algorithms in the numerical analysis literature, nor does it include references to individual software products (routines). Section 7 on bibliographies includes many entries not strictly within the scope of the present work.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A038 814

9/5

ROME AIR DEVELOPMENT CENTER GRIFFISS AFB NY

A Survey of Antenna Array Technology for
Surveillance Systems.

(U)

DESCRIPTIVE NOTE: Final rept.,

FEB 77 32P

Walter S. ;

REPT. NO. RADC-TR-76-409

PROJ: 9361

TASK: 07

UNCLASSIFIED REPORT

DESCRIPTORS: *Antenna arrays, Antenna feeds,
Broadband, State of the art, Lens antennas,
Planar structures, Bibliographies
IDENTIFIERS: WURADC936107C1(U)
(U)

This report acquaints the reader with a survey of the latest state-of-the-art technology that may be applicable to various types of ground signal collection systems. An overview of the performance parameters of both planar and lens fed arrays is presented. An extensive bibliography is a key feature of this report. (Author)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A038 400

9/2

5/2

MINNESOTA UNIV MINNEAPOLIS MANAGEMENT INFORMATION SYSTEMS
RESEARCH CENTERAn Automated Annotated Bibliography on the
Specification of Information System
Requirements.

(U)

DESCRIPTIVE NOTE: Final rept. 1 Aug-11 Oct 76,

OCT 76 154P

Everest, Gordon C. ; Bray,

Olin ; Valters, Indulis ;

REPT. NO. MISRC-TR-77-01

CONTRACT: N00167-76-M-8441

UNCLASSIFIED REPORT

Availability: Microfiche copies only.

DESCRIPTORS: *Information systems, *Data management,
*Data bases, Thesauri, Bibliographies, Indexes,
Computer programming, Automation, Computer files,
Specifications
IDENTIFIERS: *Data base management systems(U)
(U)

Report of an automated, annotated Bibliography containing 43 items. All relate to the area of capturing and expressing as a language, a specification of information system requirements. Each item assigned descriptors and annotated from the perspective of database technology and database management systems. Report contains a description of the data items in the bibliographic schema and output consisting of (1) the bibliographic entries with descriptors and annotations, (2) Author index, (3) Descriptor index, (4) Thesaurus of descriptors. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A036 912

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5/9

MCDONNELL DOL:LAS ASTRONAUTICS CO-EAST ST LOUIS MO

A Survey and Analysis of Military Computer-Based Systems: A Two Part Study.
Volume I. A Survey and Annotated Bibliography of Aids for Instructional Systems Development.

(U)

DESCRIPTIVE NOTE: Final rept. 1 Oct 75-11 Feb 77,
FEB 77 191P Logan, Robert S.;
REPT. NO. MDC-EJ570-Vol-1
CONTRACT: MDA903-76-C-0086, ARPA Order-3076

UNCLASSIFIED REPORT

DESCRIPTORS: *Computer applications, *Technical information centers, *Bibliographies, *Computer aided instruction, Military applications, Military training, Information retrieval, Data storage systems, Data bases, Data banks, Machine coding, Abstracts

(U)

The objectives of this study were: (1) to examine the literature to identify authoring aids for developing instructional materials and to identify information clearing houses for existing instructional materials; and (2) to develop a generalized, computer-based model of a self-paced instructional system that can be used to determine expected timesaving and costs of self-paced as compared to conventional instruction. The purpose of Part 1, reported in Volume 1, was to examine the ISD concept as it relates to the authoring process and to identify and analyze tools and procedures which facilitate the ISD process. Findings of the study are: (1) more applied but unevaluated documents are associated with the civilian environments; (2) relatively equal numbers of applied and evaluated documents exist in both the civilian and military environments; (3) a greater number of authoring aids (tools, procedures, and methodologies) tend to be produced by the civilian environment; and (4) more procedures are available than either tools or methodologies. Approximately sixty authoring tools and procedures are arranged by ISD phase and step in an extensive, annotated bibliography. The ISD model used in this study was the Interservice Procedures for Instructional Systems

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A036 692

9/5

14/4

IIT RESEARCH INST CHICAGO ILL RELIABILITY ANALYSIS CENTER

Microcircuit Reliability Bibliography. Volume 1-B, and Volume 4.

(U)

APR 76 377P

UNCLASSIFIED REPORT

Availability: Set includes Volume 1-B, AD-A036 689, and Volume 4, AD-A036 691. No copies furnished by DDC.

SUPPLEMENTARY NOTE: Set includes Volume 1-B, AD-A036 689, and Volume 4, AD-A036 691.

DESCRIPTORS: *Microcircuits,

*Reliability(Electronics), *Bibliographies, Microelectronics, Integrated circuits, Failure(Electronics), Test methods, Fabrication, Computer applications, Computer simulation, Quality assurance, Hybrid circuits, Utilization, Indexes

(U)

IDENTIFIERS: Hybrid microcircuits

(U)

The bibliography identifies selected literature pertinent to the reliability of microelectronic devices. This two-volume publication updated the bibliography which now consists of four volumes: IB, II, III and IV. Volume IB contains a categorized subject term index, as well as corporate author and 1976 personal author indices, which cross-reference bibliographic citations presented in Volume II. Indices (covering acquisitions through February 1974). Volume III. (1975 Annual Reference supplement (acquisitions through March 1975 and, Volume IV, 1976 Annual Reference Supplement (Acquisitions through March 1976). These volumes contain over 3500 Citations which were selected from the Reliability Analysis Center's files. Citations include complete bibliographic information and descriptive abstracts. The complete Microcircuit Reliability Bibliography enables the engineer or technical librarian to perform retrospective information searches in a wide variety of pertinent subject areas.

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UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A036 691 9/5 14/4
IIT RESEARCH INST CHICAGO ILL RELIABILITY ANALYSIS
CENTER

Microcircuit Reliability Bibliography. Volume
IV. 1976 Annual Reference Supplement.
(Document Numbers 11045-11745).

(U)

APR 76 158P
REPT. NO. RAC-MRB-0474-Vol 4
CONTRACT: F30602-76-C-0192

UNCLASSIFIED REPORT

Availability: Also available in set of 4 reports
PC E19, AD-A036 688. No copies furnished by
DDC.

DESCRIPTORS: *Microcircuits,
*Reliability(Electronics), *Bibliographies,
Microelectronics, Integrated circuits,
Failure(Electronics), Test methods,
Fabrication, Computer applications, Computerized
simulation, Quality assurance, Hybrid circuits,
Utilization
IDENTIFIERS: Hybrid microcircuits

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(U)

The volume provides additional bibliographic
coverage from March 1975 through March 1976.
RAC-assigned document numbers for this volume are
11045 through 11745.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A036 690 9/5 14/4
IIT RESEARCH INST CHICAGO ILL RELIABILITY ANALYSIS
CENTER

Microcircuit Reliability Bibliography. Volume
III. 1975 Annual Reference Supplement
(Document Numbers 10417-11044).

(U)

APR 75 130P
REPT. NO. RAC-MRB-0474-Vol-3
CONTRACT: F30602-76-C-0192

UNCLASSIFIED REPORT

Availability: Also available in set of 4 reports
PC E19, AD-A036 688. No copies furnished by
DDC.

DESCRIPTORS: *Microcircuits,
*Reliability(Electronics), *Bibliographies,
Microelectronics, Integrated circuits,
Failure(Electronics), Test methods,
Fabrication, Computer applications, Computerized
simulation, Quality assurance, Hybrid circuits,
Utilization
IDENTIFIERS: Hybrid microcircuits

(U)
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The volume provides the additional bibliographic
coverage from March 1974 to March 1975. RAC
assigned document numbers for this publication are
10417 through 11044.

(U)

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PAGE

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A036 689 9/5 14/4
 IIT RESEARCH INST CHICAGO ILL RELIABILITY ANALYSIS
 CENTER

Microcircuit Reliability Bibliography. Volume
 1-B. Cumulative Index. Volume IV. 1976
 Annual Reference Supplement.

(U)

APR 76 219P
 REPT. NO. RAC-MRB-0474-Vol-1B, RAC-MRB-0474-
 Vol-4
 CONTRACT: F30602-76-C-0192

UNCLASSIFIED REPORT

Availability: Also available in set of 4 reports
 PC E19, AD-A036 688. No copies furnished by
 DDC.

DESCRIPTORS: *Microcircuits,
 *Reliability(Electronics), *Bibliographies,
 Microelectronics, Integrated circuits,
 Failure(Electronics), Test methods,
 Fabrication, Computer applications, Computerized
 simulation, Quality assurance, Hybrid circuits,
 Utilization, Indexes

(U)

This volume contains a categorized subject term
 index, as well as corporate author and 1976 personal
 author indices, which cross-reference bibliographic
 citations presented in Volume II.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A036 688 9/5 14/4
 IIT RESEARCH INST CHICAGO ILL RELIABILITY ANALYSIS
 CENTER

Microcircuit Reliability Bibliography. Volume
 I-B, Volume 2, Volume 3 and Volume 4.

(U)

76 874P

UNCLASSIFIED REPORT

Availability: Set includes volume 1-B, AD-A036
 689, Volume 2, AD-A011 698, Volume 3, AD-A036
 690, Volume 4, AD-A036 691, no copies furnished by
 DDC.

SUPPLEMENTARY NOTE: Set includes Volume 1-B, AD-
 A036 689, Volume 2, AD-A011 698, Volume 3, AD-
 A036 690, Volume 4, AD-A036 691.

DESCRIPTORS: *Microcircuits,
 *Reliability(Electronics), *Bibliographies,
 Microelectronics, Integrated circuits,
 Failure(Electronics), Test methods,
 Fabrication, Utilization, Computer applications,
 Computer simulation, Quality assurance, Hybrid
 circuits, Indexes

IDENTIFIERS: Hybrid microcircuits
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The bibliography identifies selected literature
 pertinent to the reliability of microelectronic
 devices and consists of four volumes: IB, II,
 III, and IV.

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PAGE

6

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A036 525 9/2 5/2

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Computers in Information Sciences: Digital Computer Systems.

(U)

DESCRIPTIVE NOTE: Report bibliography Jan 68-Jun 76.

FEB 77 264P

REPT. NO. DDC/BIB-77/01

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes Rept. no. DDC-TAS-73-15 dated Apr 73, AD-758 400.

DESCRIPTORS: *Digital computers, *Information sciences, *Bibliographies, Data processing, Computer programs, Computer architecture, Computer programming, Computer applications, Digital systems, Indexes

IDENTIFIERS: PE658015

(U)
(U)

This bibliography contains 170 unclassified and unlimited citations primarily dealing with Computers in Information Sciences and compiles references dealing specifically with Digital Computer Systems. Indexes of Corporate Author-Monitoring Agency, Subject, Title and Personal Author are included. (Author)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A036 500 9/2

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

FORTAN 4 Programming Language.

(U)

DESCRIPTIVE NOTE: Report bibliography Jun 68-Sep 76.

FEB 77 362P

REPT. NO. DDC/BIB-77-02

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated Sep 76, AD-A029 800.

DESCRIPTORS: *Computer applications, *Programming languages, *Fortran, *Bibliographies
IDENTIFIERS: *Fortran 4 programming language

(U)
(U)

This bibliography contains selected unclassified and unlimited citations on Fortran 4 Programming Language. These citations are studies and analyses pertaining to performance effectiveness, capability, evaluation, and reliability test. Indexes of Corporate Author-Monitoring Agency, Subject, Title and Personal Author are included.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A034 807 9/2 15/5 15/3
MITRE CORP MCLEAN VADoD Weapon Systems Software Acquisition
and Management Study. Volume II.
Supporting Material.

(U)

DESCRIPTIVE NOTE: Technical rept.,

JUN 75 143P Asch, A.; Kelliher, D. W.;

Locher, John Paul. III; Connors, T.;

REPT. NO. MTR-6908-Vol-2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Volume 1, AD-A034
802.DESCRIPTORS: *Computer programs, *Procurement,
*Weapon systems, Management planning and control,
Costs, Quality control, Specifications, Data
bases, Interviewing, Questionnaires,
Bibliographies

(U)

IDENTIFIERS: Computer software, Software
documentation, Computer hardware

(U)

Volume 1 is organized into four major sections:
 Section 1 contains introductory information
 including the purpose and goals of the study;
 Section 2 contains a summary of major findings and
 concludes with a list of high payoff areas for
 DoD action; Section 3 presents MITRE's
 recommended DoD actions in the areas of software
 performance specification, software acquisition
 planning, software technology, and personnel; and
 Section 4 includes a brief outline for implementing
 the recommended actions during Phase II of the
 study. Appendices to Volume I are limited only
 to that information required to understand the
 content of the four major sections and to initiate
 the recommended actions. Volume II is organized
 into four major sections: Section 1 contains
 introductory information; Section 2 provides
 further detail on the 14 systems interviewed;
 Section 3 contains a brief summation of the major
 findings and recommendations of the reports and
 workshops reviewed during the study; and Section 4
 includes a software acquisition and management
 bibliography. Appendix A is a copy of the
 questionnaire used by the MITRE team during the
 weapon systems interviews.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A033 250 9/2 5/2
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VAComputers in Information Sciences:
Computer Processing of Analog Data.

(U)

DESCRIPTIVE NOTE: Report bibliography Jan 68-Mar 76.

NOV 76 326P

REPT. NO. DDC/BIB-76/10

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes Rept. no. DDC-TAS-73-
7 dated Mar 73, AD-757 500.DESCRIPTORS: *Analog computer analysis, *Analog
computers, *Information sciences, *Bibliographies,
Data processing, Analog signals, Computerized
simulation, Analog to digital converters,
Information retrieval, Computers, Memory devices,
Digital computers

(U)

IDENTIFIERS: Analog data, PE658015

(U)

This bibliography contains 255 unclassified and
 unlimited citations primarily dealing with computers
 in information sciences computer processing of analog
 data. Corporate Author-Monitoring Agency,
 Subject, Title and Personal Author are
 provided. (Author)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC
AD-A032 476 9/3
FEDERAL AVIATION ADMINISTRATION WASHINGTON D C SYSTEMS
RESEARCH AND DEVELOPMENT SERVICE

Grounding, Bonding and Shielding Bibliography
1971 to 1975. (U)

DESCRIPTIVE NOTE: Final rept.
SEP 76 46P
REPT. NO. FAA-RD-76-177

UNCLASSIFIED REPORT

DESCRIPTORS: *Electrical grounding, *Electromagnetic
shielding, *Bibliographies, Shielding, Lightning
arresters, Ground(Electrical), Transmission
lines (U)

As a result of a literature search carried out in
conjunction with an extensive effort concerning
grounding, bonding and shielding, a bibliography was
compiled. The bibliography, covering the period
1971 to 1975 is contained in this report. A
bibliography covering the period 1930 to 1971 was
published as a separate report, FAA-RD-76-
145. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC
AD-A031 200 9/2 5/2
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Computers in Information Sciences:
Computer Components. (U)

DESCRIPTIVE NOTE: Report bibliography Jun 72-Jun 76.
OCT 76 333P
REPT. NO. DDC/BIB-76/09
PROJ: DSA-658-01s

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Updates AD-761 970, see also AD-
679 400.

DESCRIPTORS: *Computers, *Information sciences,
*Bibliographies, *Data processing equipment,
Analog computers, Digital systems, Processing,
Data transmission systems, Data storage systems,
Memory devices, Computer logic, Computer graphics,
Input output devices, Arithmetic units, Central
processing units, Data processing terminals,
Computer communications (U)

This bibliography is a compilation of citations on
Computers in Information Sciences; Computer
Components. Discussed are computer memory
devices, data storage systems, arithmetic and logic
units, and punched card equipment. Corporate
Author-Monitoring Agency, Subject, Title
and Personal Author are included. (Author) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A029 825 9/2 5/2

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Computers in Information Sciences: Real Time. (U)

DESCRIPTIVE NOTE: Report bibliography Jan 68-Apr 76.

SEP 76 276P

REPT. NO. DDC/BIB-76/06

PROJ: DSA-658-01S

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes Rept. no. DDC-TAS-72-92 dated Feb 73, AD-755 850. See also AD-679 400.

DESCRIPTORS: *Computers, *Information sciences, *Bibliographies, *Real time, Data processing, Computer programming, Computer programs, Computations, Indexes (U)

This bibliography contains unclassified and unlimited references dealing specifically with real time computers in information sciences. Corporate Author-Monitoring Agency, Subject, Title and Personal Author are provided. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A029 800 9/2 5/2

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Computers in Information Sciences: Programming Language. (U)

DESCRIPTIVE NOTE: Report bibliography Mar 68-Apr 76.

SEP 76 446P

REPT. NO. DDC/BIB-76/07

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes Rept. no. DDC-TAS-73-4 dated Feb 73, AD-755 890.

DESCRIPTORS: *Computers, *Information sciences, *Bibliographies, *programming languages, High level languages, Computer programming, Indexes, Computer printouts (U)

This bibliography contains unclassified-unlimited citations on Programming Language. The four computer-generated indexes provided are Corporate Author-Monitoring Agency, Subject, Title and Personal Author. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A028 500 9/2 5/2
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Computers in Information Sciences: On-Line Systems. (U)

DESCRIPTIVE NOTE: Report bibliography Jan 68-Jan 76.
AUG 76 339P
REPT. NO. DDC-TAS-76-5

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes Rept. no. DDC-TAS-72-87, dated Jan 76, AD-755 700. See also Volume 1, AD-679 400.

DESCRIPTORS: *Computers, *On line systems, *Information sciences, *Bibliographies, Data processing, Information retrieval, Digital computers, Analog computers, Data management, Computer graphics, Computer programming (U)

This bibliography contains unclassified and unlimited references dealing specifically with on-line computers in information sciences. Corporate Author-Monitoring Agency, Subject, Title and Personal Author are provided. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A026 900 9/2
BECKER AND HAYES INC LOS ANGELES CALIF

Selected Bibliography and Index to Publications about ARPANET. (U)

FEB 76 185P
REPT. NO. B/H-Bib-C-1143
CONTRACT: MDA903-75-C-0288, ARPA Order-1001

UNCLASSIFIED REPORT

DESCRIPTORS: *Computers, Bibliographies, Networks, Computer communications, Technology, Interactions (U)

IDENTIFIERS: Computer networks (U)

A selected bibliography has been developed of all documentation concerning research and development in the area of computer networking. This program involved a great number of contractors and government organizations who cooperated in the development of the ARPANET system of computer interactions on a worldwide basis. (Author) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC
AD-A016 827 9/2
DAVID W TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER
BETHESDA MD

Computer Graphics Bibliography, (U)

JAN 75 119P Potts,Jackie ;
REPT. NO. DINSRDC-4602
PROJ: SF53-532
TASK: SF53-532-701

UNCLASSIFIED REPORT

DESCRIPTORS: *Computer graphics, *Interactive graphics, *Bibliographies, Computer programming, Computer aided design, Computer applications, Architecture, Education, Medicine, Management, Editing, Manufacturing, Transportation

This graphics bibliography covers the two major divisions of passive and interactive computer graphics. It includes graphics applications in such fields as analysis, architecture, computer-aided design, management, medicine, education, editing, manufacturing transportation, science, and others. It covers the years 1950 to the present. It contains approximately 1,000 references indexed by author, under the headings of applications, interactive, passive, potpourri, and software. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC
AD-A014 232 9/2 17/2
ILLINOIS UNIV AT URBANA-CHAMPAIGN CENTER FOR ADVANCED COMPUTATION

An Annotated Bibliography to Network Data Management and Related Literature, (U)

APR 75 283P Alsberg, Peter A. ;Belford, Geneva G. ;Brown, Deborah S. ;Bunch, Steve R. ;Day, John D. ;
REPT. NO: UIUC-CAC-DN-75-149
CONTRACT: DCA100-75-C-0021

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also AD-A014 233.

DESCRIPTORS: *Communications networks, *Data management, *Bibliographies, Data compression, Clustering, Time sharing, Allocations, Data processing security, Programming languages
IDENTIFIERS: *Computer networks, Resource allocation, Computer privacy, Data structures, Protocols (U)
(U)

Over 400 documents related to network data management and resource sharing are annotated. The documents cover topics in data management, computer networks, operating system concepts, communications, resource allocation, measurement and analysis, front ends, security and application support. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A013 898

9/2

UNCLERAN AND ASSOCIATES INC FALLS CHURCH VA

Annotated Bibliography of Information
Processing Standards for Computers (IPSC)
Program and Allied Publications.

MAY 75 135P

Lyding, John F. ; Laws, Frank

D. ;

(U)

UNCLASSIFIED REPORT

DESCRIPTORS: *Bibliographies, *Data processing,
*Standards, Input output processing, Programming
languages, Computer programming, Specifications
IDENTIFIERS: *Federal information processing
standards, Computer systems hardware

(U)

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The purpose of this bibliography is to provide, in
a single document, concise, authoritative
bibliographic information concerning the
Information Processing Standards for
Computers (IPSC) Program and closely allied
publications. The bibliography is also intended to
serve as a reference tool for ADP system managers
and users by providing information about those
standards which will permit the smooth interchange of
information among ADP systems.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A011 699

9/5

14/4

III RESEARCH INST CHICAGO ILL RELIABILITY ANALYSIS
CENTER

Microcircuit Reliability Bibliography.
Volume I-A. Cumulative Index. Volume
II. Cumulative References. Volume III.
1975 Annual Reference Supplement (Document
Numbers - 10417--11044).

(U)

APR 75 653P

REPT. NO. RAC-MRB-0474

CONTRACT: F30602-73-C-0065

UNCLASSIFIED REPORT

Availability: Volumes 1A and 3 available
separately as AD-A011 697, PC\$40.00/MF\$40.00;
Volume 2 available separately as AD-A011 698,
PC\$15.00/MF\$15.00.

SUPPLEMENTARY NOTE: Supersedes Volumes 1 and 2 dated
Apr 74, AD-786 287. Includes AD-A011 697, AD-
A011 698.

DESCRIPTORS: *Microcircuits,

*Reliability(Electronics), *Bibliographies,
Microelectronics, Integrated circuits,
Failure(Electronics), Test methods,
Fabrication, Computer applications, Computerized
simulation, Quality assurance, Hybrid circuits,
Utilization

IDENTIFIERS: Design

(U)

(U)

The bibliography identifies selected literature
pertinent to the reliability of micro-electronic
devices. This two-volume publication updates the
bibliography which now consists of three volumes:
IA, II and III. Volume IA contains a
categorized subject term index, as well as corporate
author and 1975 personal author indices. The
indices cross-reference bibliographic citations
presented in Volume II. Cumulative References
(previously issued) covering acquisitions through
February, 1974, and Volume III, 1975 Annual
Reference Supplement which includes acquisitions
for the period March 1974 through February 1975.
These reference volumes contain over 3000 citations
which were selected from the Reliability Analysis
Center's file holdings. Citations include
complete bibliographic information and descriptive
abstracts.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC
AD-A011 698 9/5 14/4
IIT RESEARCH INST CHICAGO ILL RELIABILITY ANALYSIS
CENTER

Microcircuit Reliability Bibliography.
Volume II. Cumulative References.

APR 74 365P
REPT. NO. RAC-MRB-0474-Vol-2
CONTRACT: F30602-73-C-0065

UNCLASSIFIED REPORT

Availability: Also available with Volume 1A and
Volume 3, AD-A011 697, as AD-A011 699.
PC\$50.00, MF\$50.00.

SUPPLEMENTARY NOTE: This report is identical with Volume
2 of AD-786 287.

DESCRIPTORS: *Microcircuits,
*Reliability(Electronics), *Bibliographies,
Microelectronics, Integrated circuits,
Failure(Electronics), Test methods,
Fabrication, Computer applications, Computerized
simulation, Quality assurance, Hybrid circuits,
Utilization

(U)

The bibliography identifies selected literature
pertinent to the reliability of microelectronic
devices. The complete bibliography is in two
volumes. Volume I contains computer-prepared
subject term and corporate author indices which cross
reference to bibliographic references listed in
Volume II. This volume contains over 2500
citations which are selected from the Reliability
Analysis Center's file holdings. Citations
include complete bibliographic information and
descriptive abstracts. The two volumes, when used
together, enable the engineer or technical librarian
to perform retrospective information searches in a
wide variety of pertinent subject areas.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC
AD-A011 697 9/5 14/4
IIT RESEARCH INST CHICAGO ILL RELIABILITY ANALYSIS
CENTER

Microcircuit Reliability Bibliography.
Volume I-A. Cumulative Index. Volume
III. 1975 Annual Reference Supplement
(Document Numbers 10417--11044).

APR 75 300P
REPT. NO. RAC-MRB-0474-Vol-1A, RAC-MRB-0474-
Vol-3
CONTRACT: F30602-73-C-0065

UNCLASSIFIED REPORT

Availability: Also available with Volume 2, AD-
A011 698 as AD-A011 699, PC\$50.00, MF\$50.00.
SUPPLEMENTARY NOTE: Revision of Volume 1 of AD-786
287.

DESCRIPTORS: *Microcircuits,
*Reliability(Electronics), *Bibliographies,
Microelectronics, Integrated circuits,
Failure(Electronics), Test methods,
Fabrication, Computer applications, Computerized
simulation, Quality assurance, Hybrid circuits,
Utilization

(U)

The bibliography identifies selected literature
pertinent to the reliability of microelectronic
devices. This two-volume publication updates the
bibliography which now consists of three volumes:
IA, II and III. Volume IA contains a
categorized subject term index, as well as corporate
author and 1975 personal author indices. The
indices cross-reference bibliographic citations
presented in Volume II. Cumulative
References, (previously issued) covering
acquisitions through February 1974 and Volume
III, 1975 Annual Reference Supplement which
includes acquisitions for the period March 1974
through February 1975. These reference volumes
contain almost 3000 citations which were selected
from the Reliability Analysis Center's file
holdings. Citations include complete bibliographic
information and descriptive abstracts. The complete
Microcircuit Reliability Bibliography enables
the engineer or technical librarian to perform
retrospective information searches in a wide variety
of pertinent subject areas.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-A010 200 9/2 17/2
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Computer Networking.

(U)

DESCRIPTIVE NOTE: Report bibliography Feb 65-Dec 74.
MAY 75 332P

REPT. NO. DDC-TAS-75-9

UNCLASSIFIED REPORT

DESCRIPTORS: *Communications networks,
*Bibliographies, *Computers, *Networks, Data
processing, Computer programming, Interfaces
IDENTIFIERS: *Computer networks, ALOHA system,
ARPA computer network

(U)

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This bibliography contains DOD unclassified-
unlimited citations on computer networking. This
report preserves information on design, programming,
data processing, interfacing, and application of
networks in their performance and use in computers.
It also includes pertinent information on the
capability and reliability of the ALOHA System
and the ARPA Computer Network. Four computer-
generated indexes are provided. They are
Corporate Author-Monitoring Agency,
Subject, Title, and Personal Author.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD-879 281 9/2
MITRE CORP BEDFORD MASS

Concepts and Applications of Computerized
Associative Processing, Including an
Associative Processing Bibliography.

(U)

DEC 70 102P Cannell, Marshall H. ;
Nickelson, Alma J. ; Owens, Martin F. ; Wadman,
Kenneth W. ; Urban, Mary L. ;
REPT. NO. MTR-1735-Rev-1, MTR-863
CONTRACT: F19628-68-C-0365
PROJ: AF-603B
MONITOR: ESD TR-70-379

UNCLASSIFIED REPORT

DESCRIPTORS: (*DATA STORAGE SYSTEMS, INFORMATION
RETRIEVAL), BIBLIOGRAPHIES, MEMORY DEVICES, CONTROL
SEQUENCES, DATA PROCESSING, LOGIC CIRCUITS, TIME SHAR
IDENTIFIERS: *ASSOCIATIVE STORAGE

(U)

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Associative Processing is defined by the report
as any computerized parallel-by-word search technique
which is used for data retrieval or processing.
The basic concepts of this technique are defined
and illustrative examples given. In addition, some
future applications are listed in an attempt to
stimulate consideration of this technique as a
solution to the processing time problems being
encountered more and more in the manipulation of
large data bases. A bibliography of books,
articles, technical reports, and theses on the
subject of Associative Processing is appended.
The entries cover the period from February 1970
back to the publication of Vennever Bush's famous
article in the Atlantic Monthly in 1945.

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(Author)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 858 369 9/5
PHILCO-FORD CORP BLUE BELL PA MICROELECTRONICS DIV

Procedural Guidelines for the Reliability
Assessment of Large-Scale Integrated
Circuits.

(U)

DESCRIPTIVE NOTE: Final technical rept. 2 Jan 68-1 May
69, AUG 69 271P Schnable, George ; Keen, Ralph

S. ; Schlacter, Michael M. ; Lathlaen, Richard A.

REPT. NO. H-525

CONTRACT: F30602-68-C-0133

PROJ: AF-5519

TASK: 551902

MONITOR: RADC TR-69-220

UNCLASSIFIED REPORT

DESCRIPTORS: (*INTEGRATED CIRCUITS,
RELIABILITY(ELECTRONICS)), FAILURE(ELECTRONICS),
BIBLIOGRAPHIES, MANUFACTURING, TEST METHODS,
PREDICTIONS, STANDARDS, QUALITY CONTROL
IDENTIFIERS: *LARGE SCALE INTEGRATED CIRCUITS

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A study and investigation was performed to develop
procedural guidelines for predicting and assessing
the reliability of electronic equipment and systems
using large-scale integrated (LSI) circuit arrays.
The program included an analytical study of
available published information, supplemented by
experimental studies of multilevel metallized
structures and LSI arrays. An extensive
bibliography, containing over 450 references, was
compiled. The analytical studies performed
included a determination and detailed consideration
of the factors that affect the reliability of LSI
arrays, including important reliability-related
factors in the fabrication processes.
Consideration was given to reliability screening,
electrical acceptance testing of finished LSI
arrays, and system considerations. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 856 124 9/2
DECISION SYSTEMS INC PARAMUS N J

Microprogram Standardization.

(U)

DESCRIPTIVE NOTE: Final rept.,
JUL 69 77P Siegel, Arnold ;

REPT. NO. DSI-TR-517-2

CONTRACT: F30602-68-C-0223

PROJ: AF-5581

TASK: 558102

MONITOR: RADC TR-69-137

UNCLASSIFIED REPORT

DESCRIPTORS: (*COMPUTER PROGRAMMING, STANDARDIZATION),
DIGITAL COMPUTERS, COMPUTER LOGIC, BIBLIOGRAPHIES
IDENTIFIERS: ARITHMETIC AND LOGIC UNITS, EMULATION,
*MICROPROGRAMMING

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(U)

The report presents the results of a study of
standardization as a means for promoting microprogram
transferability and for minimizing the instruction-
set dependence of microprogrammed computers. Areas
of investigation include (1) the characteristics
of microprogrammed processors which are suitable for
general-purpose emulation, (2) the adaptation of
control memories for use in such processors, and
(3) the characteristics of machine-independent
software for use in the preparation of microprograms.
The results of the equipment analysis are presented
in the form of an emulation-system standard, whose
provisions reflect the composite requirements of
representative computer systems. The standard is
presented in terms of functional requirements, and
its provisions may be met using more than one design
approach and are adaptable to virtually any common
component technology. Several of the available
design options are discussed. The software results
describe the manner in which the standard may be
applied to the design of machine-independent
microprogramming languages. Performance objectives
are presented for an integrated open-ended software
system, based upon the use of such languages, which
includes one or more compilers, two levels of
simulation, flow-charting and documentation routines,
and a documentation retrieval and updating system.
A comprehensive bibliography of technical
literature on microprogramming is included.
(Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 836 298 9/3 17/2 5/2
ARMY ELECTRONICS COMMAND FORT MONMOUTH N J

ECOM TECHNICAL PUBLICATIONS, 1967 (KWIC INDEXED).

(U)

DESCRIPTIVE NOTE: Technical rept.

JUL 68 117P

REPT. NO. ECOM-3000

UNCLASSIFIED REPORT

DESCRIPTORS: (*ARMY RESEARCH, BIBLIOGRAPHIES),
ELECTRONICS, COMMUNICATION SYSTEMS, DATA PROCESSING,
COMBAT SURVEILLANCE, TARGET ACQUISITION, NIGHT VISION,
NAVIGATION, ATMOSPHERES (U)
IDENTIFIERS: AVIONICS, KWIC INDEXES (U)

This bibliography lists 787 technical publications of the U. S. Army Electronics Command prepared during calendar year 1967. The citations are grouped by organizational element. Two indexes are provided: a Key Word in Context (KWIC) index for retrieval of titles by subject area, and an author index. U. S. patents granted to ECOM personnel are listed separately. Among the broad subject areas covered in the bibliography are: electronic engineering, communications, automatic data processing systems, combat surveillance, target acquisition, night vision, avionics, navigation, atmospheric sciences, electronic warfare, electronic components, power sources, materials, and related fields of physics and mathematics. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 787 350 9/3
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Reliability Electronics.

(U)

DESCRIPTIVE NOTE: Report bibliography Jan 64-Apr 74.

OCT 74 526P

REPT. NO. DDC-TAS-74-35

UNCLASSIFIED REPORT

DESCRIPTORS: *Reliability(Electronics),
*Bibliographies, Transistors, Resistors,
Capacitors, Circuits, Relays, Switching
circuits, Integrated circuits, Electronic equipment,
Semiconductor devices, Microelectronics, Digital
computers, Communication equipment, Electric
batteries, Failure(Electronics), Cost
effectiveness (U)

The bibliography contains unclassified and unlimited citations on Reliability Electronics. These references provide information emphasizing performance analysis, statistical analysis and mathematical prediction in studies and tests of reliability in electronic and electrical equipment. It also includes pertinent information on test equipment, failure analysis, cost effectiveness and military requirements. Four computer-generated indexes are included. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 786 314 9/2
 NORTH CAROLINA STATE UNIV RALEIGH OPERATIONS RESEARCH

The Scheduling of Jobs on Parallel Processors: A Survey and Annotated Bibliography.

(U)

DESCRIPTIVE NOTE: Technical rept.,
 SEP 74 23P Elmaghraby, Salah E. ;

Elshafel, A. M. ;

REPT. NO. NCSU-OR-97

CONTRACT: N00014-70-A-0120-0002, DA-ARO-D-31-124-72-G106

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Sponsored in part by National Science Foundation, Washington, D.C.

DESCRIPTORS: *Parallel processors, *Scheduling, Multiprocessors, Bibliographies

(U)

The authors survey the area of scheduling N jobs on M processors. Classify the work done according to the methodology and criterion used, and present a bibliography with a synopsis of the work done.
 (Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 783 875 9/2
 WASHINGTON UNIV ST LOUIS MO COMPUTER SYSTEMS LAB

Macromodular Computer Design. Part 1. Development of Macromodules. Volume V. Laboratory Personnel and Bibliography.

(U)

DESCRIPTIVE NOTE: Final rept. 1 Apr 65-1 Dec 73,
 FEB 74 75P Coaker, Christine D. ;
 REPT. NO. TR-48
 CONTRACT: SD-302

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Sponsored in part by National Institutes of Health, Bethesda, Md. See also AD-783 876 and AD-783 874.

DESCRIPTORS: *Central processing units, *Modules(Electronics), *Logic devices, Scientific research, Computer personnel, Bibliographies

(U)

IDENTIFIERS: *Logic design, *Macromodules

(U)

The volume gives names and titles of all personnel associated with the Macromodular Computer Design project. Titles, authors, dates and abstracts of relevant technical reports and Technical Memoranda originating during this period are given, as well as a bibliography of related Washington University theses and dissertations and of publications in the open literature. (Modified author abstract)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 783 503 9/4 17/2 12/1
 JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS
 LAB

An Annotated Bibliography on Walsh and
 Walsh Related Functions.

(U)

DESCRIPTIVE NOTE: Technical memo.,
 MAY 74 341P Bramhall, J. N. ;
 REPT. NO. APL-TG-11988
 CONTRACT: N00017-72-C-4401

UNCLASSIFIED REPORT

DESCRIPTORS: *Walsh functions, *Bibliographies,
 Signal processing, Information theory, Image
 processing, Pattern recognition, Data processing,
 Computer programming, Fourier transformations, Data
 compression, Multiplexing, Computations, Applied
 mathematics, Indexes, Abstracts
 IDENTIFIERS: Fast Walsh transform, Switching
 theory, Data transmission

(U)

(U)

The continuing rapid increase in the literature on
 Walsh functions during the year 1973 is reflected
 in the third edition of this bibliography. The
 entries in the bibliography are arranged in two
 formats: the primary citation and the three
 indices. In the primary citation the entire
 reference is given for each entry with (where
 possible) an abstract of the article. These
 citations are listed alphabetically by author and
 date. The three indices to the primary citation
 list are based on category, author/coauthor, and
 date. The Category Index lists authors under
 five subject categories, the purpose of which is to
 insure efficient access to the literature for those
 whose interest lies in specific aspects of the
 Walsh functions. The Author Index lists
 primary authors together with cross referencing for
 coauthors. Finally, the Date Index provides a
 chronological listing of publications according to
 the year of publication. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 780 172 9/1 20/12
 AIR FORCE CAMBRIDGE RESEARCH LABS L G HANSCOM FIELD
 MASS

Microwave Acoustics Handbook. Volume 1A.
 Surface Wave Velocities.

(U)

DESCRIPTIVE NOTE: Physical sciences research papers,
 OCT 73 724P Slobodnik, A. J. , Jr.;
 Conway, E. D. ; Delmonico, R. T. ;
 REPT. NO. AFRL-TR-73-0597, AFRL-PSRP-565
 PROJ: AF-5573
 TASK: 557307
 MONITOR: GIDEP 941.00.00.00-VA-01

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also Volume 1, AD-868 360.

DESCRIPTORS: *Microwave equipment, *Acoustic
 equipment, Acoustic waves, Surface waves, Wave
 equations, Piezoelectric materials, Statistical
 data, Bibliographies, Acoustic velocity
 IDENTIFIERS: *Microwave acoustics, *Acoustic
 surface waves

(U)

(U)

Information essential for the design of acoustic
 surface wave filters, signal processors, and other
 miniature, low cost, reliable devices for use in
 communications and electronic sensing is given in
 this report. Computations of surface wave velocity
 and electromechanical power flow angle, and estimates
 of surface wave coupling to interdigital transducers
 are given for various orientations of the following
 surface wave substrate materials:
 Ba₂Nb₂O₁₅, Bi₁₂GeO₂₀, CdS,
 Diamond, Eu₃Fe₅O₁₅, Gadolinium Gallium
 Garnet, GaAs, Germanium, InSb, InAs,
 PbS, LiNbO₃, MgO, Quartz, Rutile,
 Sapphire, Silicon, Spinel, TeO₂, YAG,
 YGaG, YIG, and ZnO. Particular cuts of
 interest are then chosen for more detailed numerical
 calculations of mechanical and electrical parameters
 governing acoustic wave propagation in crystalline
 media. Similar data is given for common metals.
 A list of material constants and a bibliography of
 520 surface wave papers are also included.
 (Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 779 600 9/2

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Electronic Data Storage Devices. (U)

DESCRIPTIVE NOTE: Report bibliography Jan 63-Aug 73.

MAY 74 455P

REPT. NO. DDC-TAS-74-19

UNCLASSIFIED REPORT

DESCRIPTORS: *Data storage systems, *Bibliographies, *Memory devices, Storage tubes, Display systems, Electronic equipment, Thin films, Disks, Magnetic cores, Magnetic tape, Core storage, Magnetic materials, Cryogenic storage devices, Thin film storage devices (U)

The bibliography is a selection of 330 unclassified and unlimited distribution references on Electronic Data Storage Devices. These references are studies and analyses relating to design, configuration, power units, electronic equipment, control systems, display systems, maintainability and performance effectiveness of electronic data storage devices. Four computer generated indexes are included. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 775 546 9/2

MASSACHUSETTS INST OF TECH CAMBRIDGE PROJECT MAC

Computer and Data Security: A Comprehensive Annotated Bibliography. (U)

DESCRIPTIVE NOTE: Interim scientific rept.,

JAN 74 308P

Scherf, John Arthur ;

REPT. NO. MAC-TR-122

CONTRACT: N00014-70-A-0362-0006, ARPA Order-2095

UNCLASSIFIED REPORT

DESCRIPTORS: *Computers, *Data processing, *Security, *Bibliographies, Computer programming, Information, Vulnerability, Time sharing IDENTIFIERS: *Computer information security, *Computer privacy, *Computer security, MAC project (U) (U)

The report is an attempt to produce a bibliography covering all aspects of computer and data security, and having annotations that more than superficially describe each article's content. This bibliography contains 1,022 entries. About half of these entries are extensively annotated, another quarter being superficially annotated, and the rest being unannotated. All extensively annotated entries are rated as to their current usefulness and uniqueness. A subject index of 160 items is provided for referencing purposes. The introduction to this bibliography briefly discusses: privacy, security, and integrity; threats of data misuse; physical, procedural, and hardware/software security; development and scope of the bibliography; the subject index; outstanding articles and books; computer security firms; and the future. (Modified author abstract) (U)

UNCLASSIFIED.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 773 612 9/2

MARYLAND UNIV COLLEGE PARK COMPUTER SCIENCE CENTER

Picture Processing: 1973,

(U)

DESCRIPTIVE NOTE: Technical rept.,
JAN 74 64P Rosenfeld, Azriel ;

REPT. NO. TR-284

CONTRACT: N00014-67-A-0239-0012

UNCLASSIFIED REPORT

DESCRIPTORS: *Data processing, *Pattern recognition,
*Bibliographies, Pictures, Data compression,
Grammars, Images

(U)

IDENTIFIERS: *Image processing, Digital pictures,
Pictorial data compression, Pictorial pattern
recognition, Image enhancement, Scene analysis,
Picture grammars, Edge detection

(U)

Developments in the field of picture processing by
computer during 1973 are surveyed, and a bibliography
of nearly 250 references is given. The topics
covered included picture compression; image
enhancement and reconstruction; picture matching,
edge and curve detection; picture processing
implementations; pictorial pattern recognition;
picture properties; picture parts and picture
description; picture automata and grammars.
(Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 772 850 9/5

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Display Devices.

(U)

DESCRIPTIVE NOTE: Report bibliography Mar 64-Aug 73.
JAN 74 536P
REPT. NO. DDC-TAS-74-3

UNCLASSIFIED REPORT

DESCRIPTORS: *Display systems, *Bibliographies,
Cathode ray tubes, Cathode ray tube screens, Head
up displays, Television display systems,
Stereoscopic display systems, Electronic optics,
Images, Electronic equipment, Optical equipment,
Lasers, Digital systems, Fiber optics,
Screens (Displays)

(U)

IDENTIFIERS: Head up display systems, Viewing
screens

(U)

The bibliography contains unclassified and
unlimited citations on Display Devices. This
report is topically arranged into the following
subtopics: Section (1) Cathode Ray Tubes
and Screens; (2) Head Up Display; (3)
Television Display Systems; (4) Stereoscopic
Display Systems; (5) Viewing Screens, and
(6) Miscellaneous. These citations are studies
and analyses relating to display systems techniques,
equipment, electronic components, development,
evaluation and design requirements. Corporate
Author-Monitoring Agency, Subject, Title,
and Personal Author Indexes are included.
(Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 764 825

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DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Capacitor Technology.

(U)

DESCRIPTIVE NOTE: Report bibliography Jan 62-Apr 73.

JUL 73 321P

REPT. NO. DDC-TAS-73-46

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes AD-691 400.

DESCRIPTORS: (*CAPACITORS, *BIBLIOGRAPHIES),
 MANUFACTURING, FIXED CAPACITORS, CERAMIC CAPACITORS,
 MICROELECTRONICS, SUBMINIATURE ELECTRONIC EQUIPMENT,
 VARIABLE CAPACITORS, TANTALUM CAPACITORS, DEPOSITION,
 DIELECTRIC FILMS, ELECTROLYTIC CAPACITORS, INTEGRATED
 CIRCUITS, GLASS CAPACITORS (U)
 IDENTIFIERS: THIN FILMS (U)

The bibliography is a compilation of unclassified-
 unlimited references on Capacitor Technology.
 This report presents information on miniature and
 microelement capacitors formed by deposition of
 dielectric substance on a ribbon, sheet, or wafer,
 and discrete capacitive elements which are found in
 monolithic or integrated circuits and serve to
 integrate with other similarly constructed passive
 and active elements to function as a complete
 electronic circuit. Corporate Author/
 Monitoring Agency, Subject, Title, and
 Personal Author Indexes are included.
 (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 764 800

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DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Microminiaturization (Electronics).

(U)

DESCRIPTIVE NOTE: Report bibliography Feb 62-Feb 73.

JUL 73 295P

REPT. NO. DDC-TAS-73-45

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes AD-684 300.

DESCRIPTORS: (*MICROELECTRONICS, *BIBLIOGRAPHIES),
 INTEGRATED CIRCUITS, AMPLIFIERS, SEMICONDUCTOR DEVICES,
 PACKAGED CIRCUITS, DISPLAY SYSTEMS, POWER SUPPLIES,
 COMPUTERS, MODULES(ELECTRONICS), LOGIC CIRCUITS,
 MINIATURE ELECTRONIC EQUIPMENT,
 RELIABILITY(ELECTRONICS), RADAR EQUIPMENT, FILMS,
 PRINTED CIRCUITS, MANUFACTURING, DAMAGE, RADIATION
 EFFECTS, ABSTRACTS (U)
 IDENTIFIERS: MICROELECTRONICS, THIN FILMS (U)

The bibliography contains unclassified-unlimited
 references on
 Microminiaturization(Electronics). The
 report presents information on design, development,
 application and manufacturing methods of electronic
 components, computers and peripheral equipment.
 Corporate Author/Monitoring Agency,
 Subject, Title, and Personal Author Indexes
 are included. (Author) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 764 400 9/2
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Computer-Aided Logical Processes. (U)

DESCRIPTIVE NOTE: Report bibliography Jan 69-Oct 72.

JUL 73 316P
REPT. NO. DDC-TAS-73-37

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Updates AD-683 600.

DESCRIPTORS: (*COMPUTER LOGIC, *BIBLIOGRAPHIES), (*LOGIC
CIRCUITS, BIBLIOGRAPHIES), MATHEMATICAL LOGIC, DATA
PROCESSING, COMPUTER PROGRAMMING, ALGORITHMS,
INFORMATION THEORY, GATES(CIRCUITS), ABSTRACTS,
COMPUTERS, ALGEBRAS (U)
IDENTIFIERS: BOOLEAN ALGEBRA, COMPUTER AIDED
DESIGN (U)

The bibliography consists of 232 references to
reports on Computer-Aided Logical Processes.
These were processed in the Defense
Documentation Center's data bank, and updates the
bibliography previously prepared in December 1968,
AD-683 600. The references include research on
processes of information handling, pattern
recognition, circuit design, computer software, and
the application of fundamental mathematical theory to
information theory. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 761 970 9/2 5/2
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Computers in Information Sciences:
Computer Components. (U)

DESCRIPTIVE NOTE: Report bibliography Jan 68-Jul 72.

JUN 73 354P
REPT. NO. DDC-TAS-73-25

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Updates AD-679 400.

DESCRIPTORS: (*COMPUTERS, *BIBLIOGRAPHIES), DATA
PROCESSING, DIGITAL COMPUTERS, ANALOG COMPUTERS,
COMPUTERS, ANALOG-DIGITAL COMPUTERS, DATA STORAGE
SYSTEMS, MEMORY DEVICES, DATA TRANSMISSION SYSTEMS,
INPUT OUTPUT DEVICES, INFORMATION RETRIEVAL, LOGIC
CIRCUITS, COMPUTER LOGIC, PUNCHED CARDS (U)

The bibliography is a compilation of references on
Computer Components in a series of bibliographies
on Computers In Information Sciences.
References are grouped under four headings: I.
Computer Memory Devices, II. Data
Storage Systems, III. Arithmetic and Logic
Units, and IV. Punched Card Equipment.
Entries are sequenced numerically within each group
and cover the period January 1968 to February
1973 and updates AD-679 400. Corporate Author-
Monitoring Agency, Subject, Title, Personal
Author, Contract, Report Number, and AD
Number Indexes are included. (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 759 398 9/4 i2/1
 JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS
 LAB

An Annotated Bibliography on Walsh and
 Walsh Related Functions.

(U)

DESCRIPTIVE NOTE: Technical memo.,

FEB 73 245p Bramhall, Janet N. ;

REPT. NO. APL-TG-1198A

CONTRACT: N00017-72-C-4401

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: See also report dated AD-744
 650.

DESCRIPTORS: (*INFORMATION THEORY,
 FUNCTIONS(MATHEMATICS)), CODING, DECODING, SPECIAL
 FUNCTIONS(MATHEMATICAL), PATTERN RECOGNITION, COMPUTER
 PROGRAMMING, MULTIPLEXING, DATA TRANSMISSION SYSTEMS,
 FOURIER ANALYSIS, BIBLIOGRAPHIES, ABSTRACTS,
 MATHEMATICAL MODELS

(U)

IDENTIFIERS: *WALSH FUNCTIONS, *WALSH TRANSFORMATION,
 ORTHOGONAL FUNCTIONS, APPLICATIONS OF MATHEMATICS,
 *SIGNAL PROCESSING, FOURIER TRANSFORMATION, DATA
 PROCESSING, IMAGE CONVERTERS, IMAGES

(U)

The rapid increase in the literature on Walsh
 functions during the year 1972 is reflected in the
 second edition of this bibliography. The entries
 in the bibliography are arranged in two formats:
 the primary citation and the three indices. In the
 primary citation the entire reference is given for
 each entry with (where possible) an abstract of
 the article. These citations are listed
 alphabetically by author and date. The three
 indices to the primary citation list are based on
 category, author/coauthor, and date. The
 Category Index lists authors under five subject
 categories, the purpose of which is to ensure
 efficient access to the literature for those whose
 interest lies in specific aspects of the Walsh
 functions. The Author Index lists primary
 authors together with crossreferencing for coauthors.
 Finally, the Date Index provides a
 chronological listing of publications according to
 the year of publication. (Author)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 755 225 9/2
 OHIO STATE UNIV COLUMBUS COMPUTER AND INFORMATION SCIENCE
 RESEARCH CENTER

An Annotated and Cross-Referenced
 Bibliography on Computer Security and Access
 Control in Computer Systems.

(U)

DESCRIPTIVE NOTE: Technical rept.,

NOV 72 62P Bergant, Jeffrey G. ;

Denicoff, Marvin ; Hsiao, David K. ;

REPT. NO. OSU-CISRC-TR-72-12

CONTRACT: N00014-72-C-0391

UNCLASSIFIED REPORT

DESCRIPTORS: (*DATA PROCESSING, PROTECTION),
 (*BIBLIOGRAPHIES, DATA PROCESSING), DATA STORAGE
 SYSTEMS, TIME SHARING, INFORMATION RETRIEVAL, CONTROL
 SYSTEMS

(U)

IDENTIFIERS: *COMPUTER INFORMATION SECURITY, COMPUTER
 PRIVACY, COMPUTERS, SECURITY

(U)

The paper represents a careful study of published
 works on computer security and access control in
 computer systems. The study includes a selective
 annotated bibliography of some eighty-five important
 published results in the field and, based on these
 papers, analyzes the state of the art.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 752 400 9/5

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

Packaged Circuits.

(U)

DESCRIPTIVE NOTE: Report bibliography Jun 54-May 72.

NOV 72 151P

REPT. NO. DDC-TAS-72-64

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: Supersedes report dated Apr 70, AD-868 525.

DESCRIPTORS: (*PACKAGED CIRCUITS, *BIBLIOGRAPHIES),
ELECTRONIC EQUIPMENT, COMMUNICATION EQUIPMENT,
PACKAGING, INTEGRATED CIRCUITS, MICROELECTRONICS,
RELIABILITY(ELECTRONICS), MODULES(ELECTRONICS),
ENCAPSULATION, PRINTED CIRCUITS, DIGITAL COMPUTERS,
TRANSISTORS

(U)

Selected references cover such topics as
development of principles and techniques of
integration and packaging of printed circuits,
packaging concepts for uncased integrated circuit
systems, advanced electronic packaging techniques,
packaging a 30 mc amplifier for airborne use and
packaged magnetic digital computer assemblies.
Corporate Author-Monitoring Agency,
Subject, Title, Personal Author, Contract,
and Report Number Indexes are included.
(Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 745 913 9/2 5/7

MOORE SCHOOL OF ELECTRICAL ENGINEERING PHILADELPHIA
PAResearch on Mechanical Languages and Their
Automatic Translators.

(U)

DESCRIPTIVE NOTE: Final rept. 22 Mar 63-21 Jan 72,

JUL 72 11P Gorn, Saul ;

CONTRACT: DA-31-124-ARO(D)-98

PROJ: DA-2-O-061102-8-14-C

MONITOR: AROD 4166:29-M

UNCLASSIFIED REPORT

DESCRIPTORS: (*PROGRAMMING LANGUAGES, *BIBLIOGRAPHIES),
AUTOMATIC, TH-SES, LINGUISTICS

(U)

The report, by means of a list of dissertations, a
list of theses, and a list of publications and
presentations, summarizes the results of research on
mechanical languages and their automatic translators.
(Author)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 745 790 9/4 17/2
 UNIVERSITY OF SOUTHERN CALIFORNIA LOS ANGELES DEPT OF
 ELECTRICAL ENGINEERING

Bibliography on Digital Image Processing and
 Related Topics. (U)

FEB 72 267P
 REPT. NO. USCEE-410
 CONTRACT: F08606-72-C-0008, ARPA Order-1706

UNCLASSIFIED REPORT

DESCRIPTORS: (*INFORMATION THEORY, *BIBLIOGRAPHIES),
 (*COMMUNICATION SYSTEMS, INFORMATION THEORY), IMAGES,
 CODING, DATA PROCESSING, DETECTION, DIGITAL SYSTEMS (U)
 IDENTIFIERS: *DATA PROCESSING, *IMAGE CONVERTERS, (U)
 *IMAGES (U)

The bibliography contains references to books,
 reports, and other publications on the general
 subject of digital image processing and related
 topics. It is arranged into three sections:
 classification by last name of first author;
 classification by year of publication. Over 1,000
 entries are included in the bibliography.
 (Author) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. BOMOC

AD- 745 732 9/4 12/1
 JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS
 LAB

An Annotated Bibliography on, and Related to,
 Walsh Functions. (U)

DESCRIPTIVE NOTE: Technical memo.,
 JUN 72 126P Bramhall, Janet N. ;
 REPT. NO. APL-TG-1198
 CONTRACT: N00017-72-C-4401

UNCLASSIFIED REPORT

DESCRIPTORS: (*INFORMATION THEORY,
 FUNCTIONS(MATHEMATICS)). (*FUNCTIONS(MATHEMATICS),
 *BIBLIOGRAPHIES), INTEGRAL TRANSFORMS, FOURIER ANALYSIS,
 CODING, MULTIPLEXING, SWITCHING CIRCUITS, LOGIC
 CIRCUITS, STATISTICAL ANALYSIS, VOCODERS, (U)
 MATRICES(MATHEMATICS), SPECTRUM ANALYZERS, ABSTRACTS
 IDENTIFIERS: *WALSH FUNCTIONS, ORTHOGONAL FUNCTIONS,
 SIGNAL PROCESSING, FOURIER TRANSFORMATION, HADAMARD,
 MATRIX, DATA PROCESSING, IMAGE CONVERTERS, IMAGES,
 SPECTRUM ANALYSIS, SWITCHING THEORY (U)

The bibliography is the result of a preliminary
 investigation of the literature on Walsh functions.
 The entries in the bibliography are arranged in two
 formats. First, the entire reference is given for
 each entry with, where possible, an abstract of the
 article. The ordering in this listing is
 alphabetical by author and date. Second, an author
 index is provided under five subject categories
 covered in the literature. The purpose of this
 categorization is to ensure efficient access to the
 literature for those whose interest lies in specific
 aspects of the Walsh functions. In addition, an
 author index with cross referencing for secondary
 authors is given. (Author) (U)